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AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

RESEARCH PROPOSAL QUARTERLY STATUS REPORT



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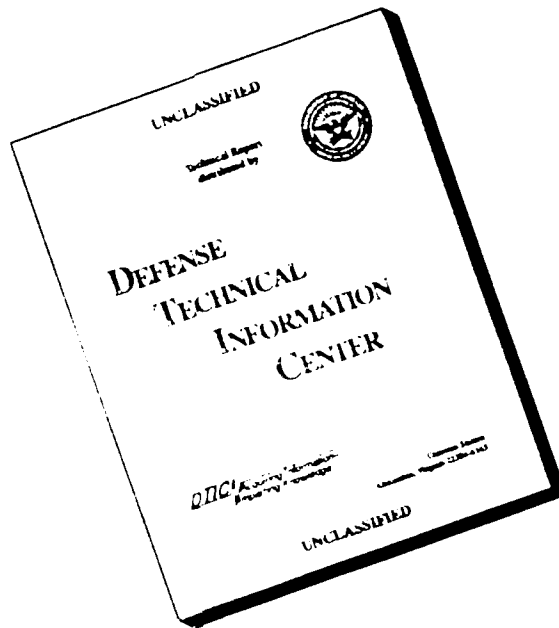


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JULY - SEPTEMBER 1992

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QUARTERLY STATUS REPORT

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INTRODUCTION

The Research Proposal Quarterly Status Report is published in March, June, September, and December by the Air Force Office of Scientific Research (AFOSR). It lists all the research proposals received by AFOSR in the previous six months along with the action taken (Initiated, Declined or Withdrawn) on each report.

The report is divided into two parts. The Institution index lists proposals alphabetically by institution. This is followed by a more detailed listing by Directorate, and by Program Manager within the Directorate.

PURPOSE

This report is designed to inform other Government sponsoring agencies of the proposals received by the AFOSR and the action taken on these proposals. Readers must keep in mind that declined proposals should not necessarily be considered as scientifically unacceptable; many declinations result from a lack of funds or as a result of special programmatic emphasis.

AFOSR MISSION

The Air Force Office of Scientific Research (AFOSR) is the single manager of the Air Force Defense Research Sciences Program (Program Element 61102F) and the primary Air Force agency for the extramural support of fundamental scientific research. The AFOSR is organized under the Air Force Materiel Command, DCS/Science Technology.

AFOSR awards grants and contracts for research in areas of science relevant to the needs of the Air Force. Research is selected for support from proposals received in response to the Broad Agency Announcement from scientists investigating problems involving the search for new knowledge and the expansion of scientific principles. Selection is on the basis of scientific potential for improving Air Force operational capabilities, originality, significance to science, the qualification of the principal investigators, and the reasonableness of the proposed budget.

KEY TO READING THE DATA

TITLE - The title of the research proposal

INSTITUTION - The organization, (e.d., college/university, company) at which the research will be conducted.

INVESTIGATOR - The Principal Investigators proposing the research.

TYPE - N indicates a new research effort.

- R indicates a continuation of an ongoing research effort.

MONTHS - The duration of the research proposal.

RECEIVED - The month and year in which the AFOSR received the proposal.

AMOUNT - The funds requested of the AFOSR for support of the research proposal.

STATUS - A = ACCEPTED indicates that the review has been completed and the proposal recommended for funding.

- D = DECLINED indicates the proposal has been reviewed but will not be funded by the AFOSR.

- BLANK SPACE = indicates the proposal is being reviewed.

- W = WITHDRAWN indicates that the proposal submitted was removed from further consideration at the proposers request.

PROGRAM MANAGER - The AFOSR scientific staff member assigned the responsibility for the technical evaluation of the proposal.

PROPOSAL # - An AFOSR Directorate assigned control number to uniquely identify the research proposal.

INITIATE - The proposal has been recommended to the AFOSR Directorate of Contracts for the amount and duration.

START DATE - The recommended date for commencement of the research.

TOTAL AMOUNT - The estimated number of dollars recommended for support of the research effort; the actual amount is subject to negotiation.

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BOLLING AIR FORCE BASE, DC 20332

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PART 1

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STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

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INSTITUTION

INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PH NAME
Air Force Research Lab	James	Mary Ann		92-NA-402	A	SAKELL
		Mary Ann		92-NA-403	A	SAKELL
	Vinton	Vincent	J	92-NM-449	A	WAKSMAN
	Kaye	Joseph		92-NC-353	D	ERSTFELD
	Cochran	Douglas		92-NM-463	A	SJOGREN
Arizona State University	Kouris	Demetris	A	92-NA-352		JONES
	Agras	George	N	92-NM-416		JACOBS
	Stanley	James	T	92-NA-316		JONES
	Jun	William		92-NM-491		NACHMAN
	Self	David	A	92-NI-044	A	DOLAND
Armstrong Laboratory				92-NI-046	A	BOLAND
		Golan		92-NA-379	A	JONES
		Edward	L	92-NC-341		BURGGRAF
		Stephen		92-NL-229		TANGMEY
		Alex	B	92-NC-300		ERSTFELD
Brown University		Johannes		92-NM-434		JACOBS
		David	F	92-NM-458		JACOBS
		F		92-NE-354	A	SCHLOSSBER
		Alan		92-NA-377		JONES
		Joseph	C	92-NA-318		TISHKOFF
California Institute of Technology		John		92-NM-425		JACOBS
		Murray		92-NI-045	A	BOLAND
		William	A	92-NI-047	A	BOLAND
		Rodney		92-NA-314		JONES
		Hans	B	92-NM-441	A	SUDDARTH
Cape Cod Research, Inc.		Wolfgang	B	92-NA-330		TISHKOFF
		Christof		92-NA-294		JONES
		Elzbieta	A	92-NL-248		TANGMEY
		Robert	J	92-NA-335		JONES
		Brian	G	92-NM-460	A	GLASSMAN
Carnegie-Mellon University		William		92-NC-376	A	LEE
		Teresa	S	92-NC-360		ERSTFELD
		F.	M	92-NC-380		ROSENSTEIN
		Paul		92-NM-413		JACOBS
		Arthur	H	92-NA-340		JONES
Case Western Reserve University		Katsuo		92-NA-346		JONES
		Walter H.	L	92-NC-327		BURGGRAF
		John	J	92-NC-364	A	ROSENSTEIN
		Paul	H	92-NM-500		NACHMAN
		Robert	A	92-NE-350	A	CRAIG
Catholic University of America		David		92-NE-356	D	WEINSTOCK
		Carlos		92-NM-480		NACHMAN
		Eytan		92-NM-505	A	NACHMAN
		Sony		92-NM-394		NACHMAN
		John		92-NA-356		JONES
Clark Atlanta University		Liya	L	92-NC-379	D	ERSTFELD
		Russell	J	92-NA-336		JONES

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Colorado School of Mines Columbia University Cornell University	Grigoriu	Mica	John	J	92-NC-243		ROSENSTEIN
	Yong	YU-chiung			92-NA-349		JONES
	Yong	Robert			92-NL-273	A	DICKINSON
	Carpenter	Berry		K	92-NM-483	A	GLASSMAN
	Field	David		J	92-NA-190		TISHKOFF
	Hammir	David		A	92-NL-221		TANGNEY
	Krusius	J		P	92-NA-279		BIRKAN
	Leibovich	Sidney			92-NE-353		SMITH
	Nation	John		A	92-NA-266	A	FANT
	Sass	Stephen		L	92-NE-361		MARKE
Yarmouth College	Steinhardt	Allan		U	92-NA-285		JONES
	Gibson	Ursula		J	92-NM-400	A	SJOGREN
	Hudson	Wary		K	92-NC-356		ERSTFELD
	Sundon	Peter		A	92-NL-220	A	RADOSKI
	Cohen	Fernand		S	92-NL-255		TANGNEY
	Guiz	Allon			92-NM-484		WAKSMAN
	Weystel	Alexander		M	92-NM-504		SUDDARTH
	Nath	Amar			92-NL-254		TANGNEY
	Pourki	Forouza		S	92-NC-336		LEE
	Wong	Albert			92-NM-445		JACOBS
Yale University	Donell	Earl		H	92-NA-345		JONES
	J. Mitty	John M J		M	92-NM-420		JACOBS
	Wadey	Bruce		V	92-NM-447		JACOBS
	Freiman	Charles			92-NA-319		TISHKOFF
	Louranco	Luiz		L	92-NC-363		HEDBERG
	Chow	Genady			92-NE-351	A	WITT
	Krothapalli	Anjaneyulu		H	92-NA-383		FANT
	Tomson	Lawrence			92-NC-323		TISHKOFF
	Tayebati	Parviz			92-NA-414	A	ERSTFELD
	Taffman	Karla			92-NE-345	A	JACOBS
George Mason University Georgia Institute of Tech	Alford	Cecil		C	92-NC-354		CRAIG
	Atluri	Satya		M	92-NM-476	A	LEE
	Davis	Elizabeth		T	92-NL-237		GLASSMAN
	Handjud	Sathya		V	92-NC-301		TANGNEY
	Landman	Uzi		L	92-NL-243		TANGNEY
	McDowell	David			92-NM-439		JACOBS
	Pam	Ashwin		F	92-NC-369		BURGGRAF
	Serfozo	Richard		C	92-NA-342		JONES
	Stranle	Warren		H	92-NM-482		WAKSMAN
	Vinde Vate	John		K	92-NM-407	A	SJOGREN
Morton Research Conferences Inc Yahmamm University Yameton Institute Yameton University	Cruickshank	Alexander			92-NA-320		TISHKOFF
	Chapin	John			92-NM-464	D	GLASSMAN
	Vandels	Demetrius		U	92-NE-369		WEINSTOCK
	Yeh	Donald		C	92-NL-279		HADDAD
	Tshibi	Gather		M	92-NM-411		JACOBS
					92-NM-410		JACOBS
					92-NA-277		BIRKAN

INSTITUTION	LAST NAME	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Carnegie University	Ricketts	Eugene	Patricia	I	92-NL-235		TANGNEY
			Charles	M	92-NL-275		TANGNEY
High Technology Corp	Knorr	Mehdi	Mehdi	R	92-NA-372		ERSTFELD
			Majeed	R	92-NA-384		MCMICHAEL
Lowell University	Choudhury	Gill	Ali	L	92-NA-367		SAKELL
			Yeh	L	92-NA-406		WU
Hughes Aircraft Co	Gardes	Lam	Michael	N	92-NM-495		NACHMAN
			Michael	N	92-NC-351		ERSTFELD
Hughes Aircraft Corp Research Labs	Gardes	Lam	Michael	N	92-NE-341		CRAIG
			Michael	N	92-NE-372	A	WEINSTOCK
Illinois Institute of Technology	Gardes	Lam	Michael	N	92-NM-430		JACOBS
			Michael	N	92-NA-309		JONES
Ohio State Univ of Science and Tech	Gardes	Lam	Michael	N	92-NA-370	A	FANT
			Michael	N	92-NM-473		JACOBS
Ohio State University Press	Gardes	Lam	Michael	N	92-NC-313		ERSTFELD
			Michael	N	92-NA-337		JONES
Johns Hopkins University	Gardes	Lam	Michael	N	92-NL-231		TANGNEY
			Michael	N	92-NE-364		SCHLOSSER
Lawrence Berkeley Laboratory	Gardes	Lam	Michael	N	92-NL-266		TANGNEY
			Michael	N	92-NM-462		WAKSMAN
Lough University	Gardes	Lam	Michael	N	92-NM-468		GLASSMAN
			Michael	N	92-NA-293		JONES
Louisiana State University	Gardes	Lam	Michael	N	92-NE-363		WITT
			Michael	N	92-NA-310		JONES
MIT - Lincoln Lab	Gardes	Lam	Michael	N	92-NA-381		LEWIS
			Michael	N	92-NA-327		TISHROFF
Massachusetts Institute of Technology	Gardes	Lam	Michael	N	92-NC-316		ERSTFELD
			Michael	N	92-NA-290		JONES
McGill University	Gardes	Lam	Michael	N	92-NA-396	A	JONES
			Michael	N	92-NL-263		TANGNEY
Michigan State University	Gardes	Lam	Michael	N	92-NA-375		JONES
			Michael	N	92-NE-370	A	BARKER
University of California	Gardes	Lam	Michael	N	92-NM-433		JACOBS
			Michael	N	92-NM-440		JACOBS
University of Illinois	Gardes	Lam	Michael	N	92-NA-399		BIRKAN
			Michael	N	92-NA-308		JONES
University of Michigan	Gardes	Lam	Michael	N	92-NA-257		FANT
			Michael	N	92-NA-369	A	FANT
University of Minnesota	Gardes	Lam	Michael	N	92-NA-368		FANT
			Michael	N	92-NA-279		BIRKAN
University of Wisconsin	Gardes	Lam	Michael	N	92-NA-394		LEWIS
			Michael	N	92-NA-305		JONES
University of Wisconsin	Gardes	Lam	Michael	N	92-NM-502		SJOGREN
			Michael	N	92-NC-306		ERSTFELD
University of Wisconsin	Gardes	Lam	Michael	N	92-NC-339		BURGRAF
			Michael	N	92-NA-386		LEWIS
University of Wisconsin	Gardes	Lam	Michael	N	92-NL-261		TANGNEY
			Michael	N	92-NC-373		ROSENSTEIN

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Mississippi State University	Case	Eldon	G	92-WC-312		ERSTFELD
	Carlsman	Ronald	J	92-NA-375		WU
	Myquist	Dennis	P	92-NM-393		NACHMAN
	Ostojic-Staszewski	Martin		92-NA-385		LEWIS
	Gennett	A. George	A	92-NA-315		JONES
	Perkins	Steven		92-NA-401		LEWIS
	Einaudi	Francis		92-NL-265	A	STOBIE
	Luston	Teri	E	92-NL-263	A	TANGNEY
	Panson	William		92-NL-219	A	DICKINSON
	Fejerman	Scott	F	92-NM-479	A	GLASSMAN
Bradley	Gordon	H	92-NM-461	A	GLASSMAN	
	W S		92-NA-371	A	FANT	
Chandrasekhara	Ludi		92-NM-511		SUDDARTH	
	Oran	Elaine	S	92-NA-389		TISHKOFF
Lowland	Harvey		92-NE-349	A	BARKER	
	Job		92-XO-013	A	WILKERSON	
Naval Services Warfare Center	Jayannathan		92-NA-341		JONES	
	Charles		92-NE-363		SCHLOSSBER	
Jones	Ben		92-NM-505		JACOBS	
	Fitzpatrick		92-VA-317		TISHKOFF	
Massin	Nader	B	92-NM-486		SJOGREN	
	Charles		92-NC-344		LEE	
Dangler	Yip	M	92-NC-319	A	ERSTFELD	
	Chung	M	92-NA-353		JONES	
Kear	Leon	J	92-NC-329	A	LEE	
	Tobin		92-XO-012	A	OWENS	
PACLETI	CHUCK		92-NA-365	A	TISHKOFF	
	Thomas		92-NA-398	A	MCMICHAEL	
Harbert	Thorwald		92-NE-352	A	POMRENKE	
	Zachary		92-NA-363		BIRKAN	
Laving	Terry		92-NA-307		JONES	
	Willar		92-NA-272		BIRKAN	
Pierre	George	J	92-NA-339		JONES	
	Peter		92-NM-446		JACOBS	
Furci	Daniel	K	92-NE-348	A	CRAIG	
	Ken		92-NM-397		SUDDARTH	
Huang	Jarus	M	92-NM-415		JACOBS	
	Todd		92-NC-377		BURGGRAF	
Leen	Ronald	K	92-NC-334		HEDBERG	
	A. Terry		92-NA-303		JONES	
Baker	Semih		92-NC-310		ERSTFELD	
	Ibn		92-NM-499		SJOGREN	
Harrison	John	K	92-NC-346		ERSTFELD	
	William		92-NA-269		BIRKAN	
Pao	C.		92-NE-373		KELLEY	
	Rustum		92-NA-373		WU	
Roy	Robert	J	92-NE-338	A	CRAIG	
	Gerald	A	92-NM-510	A	NACHMAN	
Santoro	K					
	Smith					
Wang	Michael					
	Wang					
Physical Optics Corporation	Leopold					

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Principio View A and W Research Foundation	Princeton University	Shang	Sun	M	92-NC-370		ROSENSTEIN
		Yaff	E	L	92-NE-333	A	WEINSTOCK
		Edgerty	Thomas	M	92-NA-366		JONES
		Edgerty	Garry	L	92-NA-323		TISHKOFF
Princeton University	Princeton University	Debenedetti	Pablo	G	92-NA-264	A	TISHKOFF
		Powell	Warren	A	92-NM-474	A	GLASSMAN
		Kuk	A.	C	92-NM-472		WAKSMAN
		Mellich	Michael	R	92-NE-359	A	WITT
Purdue Research Foundation	Purdue University	Pizlo	Sygaunt	S	92-NL-259		TANGNEY
		Pao	Singiresu	A	92-NA-263		WU
		Weissman	Terrence	A	92-NM-439		JACOBS
		Gajaj	Chanderjit	F	92-NM-503		GLASSMAN
Purdue University	Purdue University	Grandt, Jr.	Allen	F	92-NC-311		ERSTFELD
		Murthy	S. N. S.		92-NA-270		BIRKAM
		Skelton	Robert	E	92-NM-436		JACOBS
		Cole	Julian	J	92-NM-469		NACHMAN
Leibniz Polytechnic Institute	Leibniz Polytechnic Institute	Corenus	Robert	H	92-NA-285		JONES
		Park	Richard	L	92-NL-230		TANGNEY
		Rusak	Zvi	S	92-NM-490		NACHMAN
		Sternstein	Sanford	S	92-NA-282		JONES
Los University	Los Angeles University	Stoloff	Norman	S	92-NA-287		JONES
		Scusario	Gustavo	E	92-NC-345		BURGGRAD
		Gilbert	Charles	D	92-NL-227		TANGNEY
		Hammer	Peter	L	92-NM-435		GLASSMAN
The State University	The State University	Panathomas	Thomas	V	92-NL-262		TANGNEY
		Sanfortn	Stephen	C	92-NA-283		JONES
		Kear	Bernard	H	92-NA-350		JONES
		Pae	Kook	D	92-NA-283		JONES
The State University	The State University	Reed	Harold	E	92-NA-392		LEWIS
		Reed	Stephen	K	92-NL-269		TANGNEY
		Vializis	Angelo		92-NC-367		LEE
		Vassot	Robert		92-NE-343		KELLEY
The State University	The State University	Wright	Maurice	J	92-NA-343		JONES
		Wiberman	Richard		92-NM-507		NACHMAN
		Wu	V T (Justin)		92-NA-404	D	CHANG
		Teasley	Malcolm	R	92-NE-362	A	WEINSTOCK
The State University	The State University	Towman	Craig	T	92-NA-331		TISHKOFF
		Cannon	Robert	H	92-NA-372	A	JONES
		Seballe	Theodore	H	92-NE-344	A	WEINSTOCK
		Hesslink	Lambertus		92-NA-379		MCMICHAEL
The State University	The State University	Murray	Walter	C	92-NM-395	A	GLASSMAN
		Simo	J		92-NM-465		JACOBS
		Tversky	Barbara		92-NL-274		TANGNEY
		Gourackis	Nikolaos	G	92-NL-227		TANGNEY
The State University	The State University	Twright	Frank	V	92-NC-371		HEDBERG
		Prasad	Paras	N	92-NC-328		LEE
		Sudeghi	Tom		92-NM-452		JACOBS
		Gner	David	B	92-NL-226		TANGNEY

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Syracuse Univ - Nat Elec Computer	Skarlin-Kapov	Jadranka			92-NM-512		GLASSMAN
	Allen	Michael	S		92-NL-241		TANGNEY
	Calli	Denis	S		92-NL-244		TANGNEY
	Virginney	Pramod	K		92-NM-509		SJOGREN
Syracuse University	Craig	Gary	L		92-NI-048	A	BOLAND
	Lopes	Mortimer	M		92-NE-237	A	WEINSTOCK
	Allen	David	H		92-NA-299		JONES
	Texas Engineering Experiment Center	Nelson	Paul		92-NM-406		NACHMAN
Texas Tech University	Paddy	J	N		92-NA-332		JONES
	Katfield	Lynn	L		92-NA-275		BIRKAN
	Ishihara	Osamu			92-NE-346		BARKER
	Tufts University	Schulze	James	G	92-NL-242		TANGNEY
Ruckenstein University	Joelani	Shaik			92-NA-355		JONES
					92-NC-366		ERSTFELD
					92-NC-355		HEDBERG
	United Technology Research Center	Colket	Meredit	B	92-NC-412		JACOBS
Univ of Alabama	Jaird	James	K		92-NE-357	A	POMRENKE
	Madarsz	Frank			92-NC-304		ERSTFELD
	Alidar	Achintya			92-NC-308		ERSTFELD
	Univ of Arizona	Kundu	J.	V	92-NM-437		NACHMAN
	Holoney	Alan	C		92-NM-492	A	NACHMAN
	Howell	George	B		92-NL-252		HADDAD
	Olson	Washa			92-NM-465		SJOGREN
	Shaked	Israel	J		92-NA-390	A	MCMICHAEL
Univ of California, Berkeley	Wynnanowski	Maura			92-NA-392		LEWIS
	Ferrari	Donald	A		92-NL-247		TANGNEY
	Glasser	Chenmin			92-NE-367		SMITH
		Hu	William		92-NM-493		SJOGREN
	Knobloch	Edgar			92-NM-494		NACHMAN
	Malik	Jitendra			92-NL-249		TANGNEY
	Marsden	Jerrold	E		92-NM-470		NACHMAN
	Morse	Edward	C		92-NE-371		BARKER
	Polak	Elijah			92-NM-459		JACOBS
	Ritchie	Robert	J		92-NC-375		ROSENSTEIN
	Saykally	Richard	J		92-NC-381		ERSTFELD
	White	Richard	M		92-NM-422		JACOBS
Univ of California, Irvine	Apkarian	V. Ara			92-NA-364		BIRKAN
	Stubberud	Allen			92-NM-443		JACOBS
	Wolfenstine	Jeffrey	J		92-NC-342		BURGGRAB
	Cattolica	Robert			92-NA-269		BIRKAN
Univ of California, Los Angeles	Landkisen	O			92-NA-361		CHANG
	Friedlander	Shelton	K		92-NL-260		STOBIE
	Hahn	H. Thomas			92-NA-344		JONES
	Ho	Chih-Ming	E		92-NM-427		JACOBS
	Hummel	John			92-NL-277		TANGNEY
	Lude	Poul			92-NA-393		LEWIS
	Mackenzie	J.			92-NC-365		LEE
	Mal	Ajit	A		92-NC-335		ERSTFELD

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STATUS - 00 = ACCEPTED, 00 = DECLINED, 00 = WITHDRAWN

INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Univ of California San Diego	Kozysak	Josef			92-NL-245		TANGNEY
	Benar	Sadik			92-NM-432		JACOBS
	Wattmiller	Gilbert	A		92-NA-358		JONES
Univ of California Santa Barbara	Williams	Norman			92-NA-325		TISHKOFF
	Allen, Jr	S	J		92-NE-335		POMRENKE
	Mcweeney	Robert	M		92-NA-231		JONES
Univ of California Santa Cruz	Smith	ROY			92-NM-453		JACOBS
	Bridgman	Bruce			92-NL-238		TANGNEY
	Clark	Thomas	L		92-NL-245		TANGNEY
Univ of Central Florida	Micholison	David	M		92-NC-317		ERSTFELD
	Shah	Mubarak	A		92-NL-240		TANGNEY
	Hamed	Asstaf			92-NA-405		SAKELL
Univ of Cincinnati	Singh	Raj	M		92-NA-292		JONES
	Walker	Bruce	K		92-NM-442		JACOBS
	Branch	Melvyn	C		92-NA-276		BIRKAN
Univ of Colorado	Leone	Stephen	R		92-NA-333		POMRENKE
	Woff	John	A		92-NE-347		BIRKAN
	Sonsalvas	Kenneth	E		92-NM-451		JACOBS
Univ of Connecticut	Jordan	Eric	H		92-NA-284		JONES
	Davidson	Joseph			92-NA-357		JONES
	Jain	Vinod			92-XO-014		OWENS
Univ of Dayton	Whitney	James	M		92-NC-322		ERSTFELD
	Colton	David	L		92-NA-296		JONES
	Ellis	John			92-NM-485		NACHMAN
Univ of Delaware	Ames	Robert	C		92-NL-253		TANGNEY
					92-NC-331		ERSTFELD
					92-NC-349		ERSTFELD
Univ of Denver	Combs	Robert	D		92-NC-348		BERMAN
	Bartlett	Rodney	J		92-NE-366		KELLEY
	Brannan	Anthony	B		92-NC-326		LEE
Univ of Florida	Kaufman	Michael	J		92-NA-347		JONES
	Whitney	E. Dow			92-NC-323		ERSTFELD
	King	Robert			92-NC-293		BURGGRAF
Univ of Georgia	White	Kenneth	M		92-NA-351		JONES
					92-NA-391		JONES
					92-NM-498		NACHMAN
Univ of Houston	Wickmaster	John	D		92-NA-281		BIRKAN
	Burton	Rodney	L		92-NA-354		JONES
	Economy	James	U		92-NL-276		HADDAD
Univ of Illinois	Gillette	Martha			92-NM-513		GLASSMAN
	Goldberg	David	E		92-NC-314		ERSTFELD
	Jones	Walter	M		92-NC-359		BURGGRAF
Univ of Indiana	Kriven	Hadis			92-NM-454		JACOBS
	Markac	Gary			92-NL-050		BOLAND
	Picchio	Harrell			92-NC-352		ERSTFELD
Univ of Iowa	Sellers	Thomas C.	M		92-NA-312		JONES
	Sinha	Thomas C.	T		92-NC-315		ERSTFELD
	Ting	Surya	P		92-NA-273		BIRKAN

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Univ of Iowa	Wickon	Wilfrid	A	92-NA-304		JONES
	Unon	Fuhua		92-NM-473		GLASSMAN
	Unon	William	M	92-NA-289		JONES
	Unon	David	H	92-NM-403		JACOBS
Univ of Maryland	Anderson, Jr.	John	D	92-NA-274		BIRKAN
	Westler	William	M	92-NL-271		STOBIE
	McClrath	Thomas	J	92-NE-374		KELLEY
	Rosenfeld	Azriel		92-NM-394	A	SJOGREN
Univ of Mass Medical Center	Pollen	Daniel	A	92-NL-224		TANGNEY
	Carto	Andrui	G	92-NM-392		SUDDARTH
	Gang	Del-bo		92-NM-431		GLASSMAN
	Karisz	Frank	E	92-NC-299		LEE
Univ of Massachusetts at Lowell	Rosenczau	David	A	92-NC-350		LEE
	Bonner	Francis	J	92-NL-250		TANGNEY
	Parkowsky	Samuel	S	92-NC-374		LEE
	Cutty	Debasish		92-NA-395		LEWIS
Univ of Michigan	Gallimore	Alec	D	92-NM-514		GLASSMAN
	Gibala	Donald		92-NA-280		BIRKAN
	Karon	Yoram		92-NA-300		JONES
	McClaroach	N. Harris		92-NL-223		TANGNEY
Univ of Minnesota	Steel	Duncan		92-NM-419	A	JACOBS
	Wass	Anthony	M	92-NE-340		JONES
	Conen	Phillip		92-NA-389	A	POMRENKE
	Friedman	Arthur	S	92-NE-342		JACOBS
Univ of Missouri	Waller	Avner		92-NM-448		JACOBS
	Avuli	Walter		92-NM-489		BERRY
	Charuni	Xavier J.	R	92-NL-219		JACOBS
	Holder	H.	P	92-NA-424		JONES
Univ of Nebraska	Richarme	Stephen		92-NA-301		JONES
	Donohue	Gregory		92-NA-397		JONES
	Hush	Don		92-NC-324	A	HEDBERG
	Ross	Timothy		92-NC-305		ERSTFELD
Univ of North Carolina	Amilev	Enad		92-NC-325		LEE
	Pierberry	Ian		92-NL-236		TANGNEY
	Kline	Ronald		92-NM-444		JACOBS
				92-NC-321		ERSTFELD
Univ of North Texas				92-NE-365		CRAIG
				92-NM-481		SUDDARTH
				92-NA-302		JONES
				92-NC-307		ERSTFELD
Univ of Oregon	Jack	Jacob		92-NL-264	A	TANGNEY
	Lau	Adam	M	92-NM-450		JACOBS
	Vissam	Soleim	A	92-NM-402		SJOGREN
	Pope	David	P	92-NA-297		JONES
Univ of Pittsburgh	Steinberg	Bernard	D	92-NL-233		TANGNEY
	Gold	Michael	E	92-NC-347		BERMAN
	Pattit	Fred	S	92-NA-339		JONES
				92-NM-456	A	SJOGREN

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Univ of Tennessee	Chukla	Robert	David	M	92-NA-407		LEWIS
Univ of Tennessee	Chukla	Robert	David	M	92-NL-232		TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NL-272		HADDAD
Univ of Tennessee	Chukla	Robert	David	M	92-NM-457		SJOGREN
Univ of Tennessee	Chukla	Robert	David	M	92-NL-257	A	TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NA-334		TISHKOFF
Univ of Tennessee	Chukla	Robert	David	M	92-NL-256	A	DICKINSON
Univ of Tennessee	Chukla	Robert	David	M	92-NL-251		TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NM-487		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NM-423		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NM-477		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NM-399		SUDDARTH
Univ of Tennessee	Chukla	Robert	David	M	92-NA-326		TISHKOFF
Univ of Tennessee	Chukla	Robert	David	M	92-NA-360		SARELL
Univ of Tennessee	Chukla	Robert	David	M	92-NA-271		BIRKAN
Univ of Tennessee	Chukla	Robert	David	M	92-NA-359		JONES
Univ of Tennessee	Chukla	Robert	David	M	92-NE-336	A	WEINSTOCK
Univ of Tennessee	Chukla	Robert	David	M	92-NL-234		TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NA-322		TISHKOFF
Univ of Tennessee	Chukla	Robert	David	M	92-NA-324		TISHKOFF
Univ of Tennessee	Chukla	Robert	David	M	92-NM-437		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NM-404		SUDDARTH
Univ of Tennessee	Chukla	Robert	David	M	92-NC-378		LEE
Univ of Tennessee	Chukla	Robert	David	M	92-NA-387		JONES
Univ of Tennessee	Chukla	Robert	David	M	92-NC-307		ERSTFELD
Univ of Tennessee	Chukla	Robert	David	M	92-NM-431		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NL-222		TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NM-501		NACHMAN
Univ of Tennessee	Chukla	Robert	David	M	92-NM-509		NACHMAN
Univ of Tennessee	Chukla	Robert	David	M	92-NA-313		JONES
Univ of Tennessee	Chukla	Robert	David	M	92-NA-321		TISHKOFF
Univ of Tennessee	Chukla	Robert	David	M	92-NL-267	D	TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NE-359		CRAIG
Univ of Tennessee	Chukla	Robert	David	M	92-NA-323		TISHKOFF
Univ of Tennessee	Chukla	Robert	David	M	92-NL-225		TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NC-330		ERSTFELD
Univ of Tennessee	Chukla	Robert	David	M	92-NM-455		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NC-362		LEE
Univ of Tennessee	Chukla	Robert	David	M	92-NA-349		JONES
Univ of Tennessee	Chukla	Robert	David	M	92-NA-374		JONES
Univ of Tennessee	Chukla	Robert	David	M	92-NA-265	A	LEWIS
Univ of Tennessee	Chukla	Robert	David	M	92-NL-258		TANGNEY
Univ of Tennessee	Chukla	Robert	David	M	92-NM-429		JACOBS
Univ of Tennessee	Chukla	Robert	David	M	92-NM-471	A	GLASSMAN
Univ of Tennessee	Chukla	Robert	David	M	92-NC-357	D	ERSTFELD
Univ of Tennessee	Chukla	Robert	David	M	92-NC-302		LEE
Univ of Tennessee	Chukla	Robert	David	M	92-NC-358		JONES
Univ of Tennessee	Chukla	Robert	David	M	92-NA-295		JONES

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PART 2

PROPOSAL STATUS REPORT (1 JUL 72 - 30 SEP 72)
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
LABORATORY OF AEROSPACE SCIENCES

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FILE (CONT.)
INSTITUTION

INVESTIGATOR

THE UNIVERSITY OF MICHIGAN

THE STATE OF NEW YORK

1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588

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COMPUTER SIMULATION OF MOLECULAR INTERACTIONS AND DYNAMIC PROGRESSES IN SUPERCRITICAL SOLVENTS AND MODELLING OF PARTICLE.....
Japenedetti
Princeton University

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STRUCTURAL BEHAVIOR AND MODELING OF PARTICULATE MEDIA -
STRUCTURES INTERFACE
UNIV OF ALABAMA
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 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839.

Cornell University

Leibovich

Sidney

THE CONGRESS OF THE UNITED STATES

Academy of Technology

Covert

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COMPUTER EXPERIMENTS AND ADVANCED COMPUTATIONS ON LIQUID ROCKET
 EFFICIENCY
 UNIVERSITY OF CALIFORNIA, LOS ANGELES
 Sponsoring Agency: AERONAUTICAL RESEARCH AND DEVELOPMENT
 OFFICE, WASHINGTON, D. C.

THE EFFECT OF THE PLASMA POPULATION

NEW YORK, CALIFORNIA, 23 JULY,

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(MURK) METAL HYDRIDE STRATEGIES FOR ENHANCED PERFORMANCE AND CONTROL
Murthy
Purdue University

5. 11.

STATIONARY PLASMA THRUSTERS

Office of the Tennessee / Impact Institute

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| TYPE/MONTHS
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| N 36
02/07/92
\$256,102 | WU 92-NA-263 | |
| N 36
02/07/92
\$355,586 | A
TISHKOFF
92-NA-264 | \$58,825
01/11/92
\$243,289 |
| N 36
06/07/92
\$308,810 | LEWIS
92-NA-265 | |
| N 36
07/07/92
\$841,861 | FANT
92-NA-266 | |
| N 36
08/07/92
\$764,453 | FANT
92-NA-267 | |
| N 48
14/07/92
\$3,554,456 | BIRKAN
92-NA-268 | |
| N 36
14/07/92
\$3,431,323 | BIRKAN
92-NA-269 | |
| N 36
14/07/92
\$3,586,473 | BIRKAN
92-NA-270 | |
| N 36
14/07/92
\$3,703,357 | BIRKAN
92-NA-271 | |

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TOT AMT |
|--|---------------|-----------------------------------|---|-----------------------------------|
| (MURI) EXPERIMENTAL AND THEORETICAL STUDIES OF PLASMA THRUSTER
INTERIOR FLOWS
Ohio State University | Turchi | N 36
14/07/92
\$3,620,430 | BIRKAN
92-NA-272 | |
| (MURI) AEROTHERMOCHEMISTRY ADVANCES IN ROCKET PROPUSSION
Univ of Illinois | Vanka | N 36
14/07/92
\$3,660,836 | BIRKAN
92-NA-273 | |
| (MURI) AN INTEGRATED EXPERIMENTAL, COMPUTATIONAL, AND ANALYTICAL
STUDY OF HETEROGENEOUS COMBUSTION RELEVANT TO HYBRID SPACE PROPUSS
Univ of Maryland | Anderson, Jr. | N 48
14/07/92
\$3,281,313 | BIRKAN
92-NA-274 | |
| (MURI) ARJET ENERGY TRANSFER AND ELECTRODE EROSION
Texas Tech University | Haffield | N 24
14/07/92
\$2,584,761 | BIRKAN
92-NA-275 | |
| (MURI) NONSTEADY COMBUSTION MECHANISMS OF ADVANCED SOLID
PROPELLANTS
Univ of Colorado | Branch | N 48
14/07/92
\$3,256,076 | BIRKAN
92-NA-276 | |
| (MURI) DEVELOPMENT OF ADVANCED THERMAL AND ELECTRIC PROPUSSION
SYSTEM
Hampton University | Tabibi | N 24
14/07/92
\$1,858,176 | BIRKAN
92-NA-277 | |
| (MURI) A COMPREHENSIVE STUDY OF THE BASIC RESEARCH QUESTIONS OF
POLAR ELECTRIC ORBITAL TRANSFER VEHICLE
Massachusetts Institute of Technology | Kerrabrock | N 36
14/07/92
\$3,389,399 | BIRKAN
92-NA-278 | |
| (MURI) BASIC STUDIES IN MAGNETICALLY DRIVEN PLASMA PROPUSSION
Cornell University | Hammer | N 36
14/07/92
\$3,242,242 | BIRKAN
92-NA-279 | |
| (MURI) EXPERIMENTAL AND THEORETICAL STUDY OF WALL THRUSTER
TECHNOLOGY
Univ of Michigan | Gillmore | N 36
14/07/92
\$2,235,809 | BIRKAN
92-NA-280 | |

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|--|-----------------------|-----------------------------------|---|-----------------------------------|
| (MURI) OFFICE OF AERO INDUSTRIES FOR FLIGHT MANAGER
Univ of Illinois | Jurton
Rounny | N 36
14/07/92
\$1,734,476 | BIRKAN
92-NA-281 | |
| (MURI) PROCESSING SCIENCE AND SYNTHESIS FOR ENHANCED TEMPERATURE
PERFORMANCE COMPOSITES
Genssler Polytechnic Institute | Starnstein
Sanford | N 36
14/07/92
\$4,388,651 | JONES
92-NA-282 | |
| (MURI) HIGH TEMPERATURE AEROSPACE STRUCTURAL MATERIALS, 3-D
CERAMIC FIBER REINFORCED CERAMIC COMPOSITES
Butters, The State University | Unforth
Stephen | N 36
14/07/92
\$4,360,876 | JONES
92-NA-283 | |
| (MURI) POLYMERS FOR HIGH TEMPERATURE APPLICATIONS
Univ of Connecticut | Gonsalves
Kenneth | N 93
14/07/92
\$3,918,135 | JONES
92-NA-284 | |
| (MURI) DESIGN AND ANALYSIS PROCESSING OF METAL-CERAMIC AND CERAMIC-
CERAMIC HYBRIDSTRUCTURES, INCLUDING COMPOSITES
Cornell University | Giss
Stephen | N 48
14/07/92
\$4,000,000 | JONES
92-NA-285 | |
| (MURI) SILICON OXYCARBIDE GLASS-PROCESSING AND PROPERTIES
Genssler Polytechnic Institute | Corneaus
Robert | N 36
14/07/92
\$2,292,770 | JONES
92-NA-286 | |
| (MURI) EFFECT OF INNOVATIVE PROCESSING ON PROPERTIES OF ADVANCED
METALLIC COMPOSITES
Genssler Polytechnic Institute | Stoloff
Norman | N 36
14/07/92
\$3,127,960 | JONES
92-NA-287 | |
| (MURI) IN SITU CHARACTERIZATION OF AEROSPACE STRUCTURAL MATERIALS
Univ of Maine | Unertl
William | N 36
15/07/92
\$2,916,327 | JONES
92-NA-288 | |
| (MURI) HIGH-TEMPERATURE MANUFACTURED AEROSPACE STRUCTURAL
MATERIALS, SYNTHESIS, CHARACTERIZATION, TESTING & MOUL
Butters, The State University | Koak
Pie | N 36
15/07/92
\$2,357,274 | JONES
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| (MURI) FATIGUE DAMAGE ASSESSMENTS OF HIGH-TEMPERATURE AEROSPACE
METAL MATRIX COMPOSITE MATERIALS
Louisiana State University | Voyladdis
George | N 36
15/07/92
\$1,341,384 | JONES
92-NA-290 | |
| (MURI) NOVEL STRUCTURAL MATERIALS AND DESIGN CONCEPTS FOR HIGH-
TEMPERATURE AEROSPACE
Univ of California, Santa Barbara | McMeeking
Robert | N 36
15/07/92
\$4,122,601 | JONES
92-NA-291 | |
| (MURI) FIBER-REINFORCED COMPOSITES FOR HIGH-TEMPERATURE AEROSPACE
STRUCTURES
Univ of Cincinnati | Singh
Raj | N 48
15/07/92
\$2,200,933 | JONES
92-NA-292 | |
| (MURI) FUNDAMENTAL STUDIES OF DEFORMATION AND FAILURE IN
COMPOSITES AT HIGH TEMPERATURE
Johns Hopkins University | Sharpe, Jr.
William | N 36
15/07/92
\$3,768,448 | JONES
92-NA-293 | |
| (MURI) THERMOMECHANICAL AND FAILURE RESPONSE OF HIGH-TEMPERATURE
MATERIALS
California Institute of Technology | Knauss
Wolfgang | N 36
15/07/92
\$1,597,663 | JONES
92-NA-294 | |
| (MURI) UNDERCOOLING AND RAPID QUENCHING TECHNOLOGY FOR THE
PRODUCTION OF NATURAL IN SITU COMPOSITES
Vanderbilt University | Dzyuzick
Robert | N 36
15/07/92
\$3,999,427 | JONES
92-NA-295 | |
| (MURI) STRUCTURAL/PROPERTY RELATIONS IN HIGH TEMPERATURE
STRUCTURAL MATERIALS
Univ of Dayton | Whitney
James | N 36
15/07/92
\$2,887,449 | JONES
92-NA-296 | |
| (MURI) MECHANICAL PROPERTIES OF IN-SITU SYNTHESIZED INTERMETALLIC
AND CERAMIC COMPOSITES
Univ of Pennsylvania | Pope
David | N 36
15/07/92
\$3,972,350 | JONES
92-NA-297 | |
| (MURI) FOUNDATIONS FOR THE DEVELOPMENT AND APPLICATION OF HIGH
TEMPERATURE AEROSPACE
Virginia Polytechnic Inst & State Univ | Reifsnider
Kenneth | N 36
15/07/92
\$3,166,170 | JONES
92-NA-298 | |

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| (MURI) MODELS FOR COMPOSITES WITH ELASTICITY AND DAMAGE AT
ELEVATED TEMPERATURE
Texas Engineering Experiment Center | Allen
David | N 36
15/07/92
\$3,997,202 | JONES
92-NA-299 | |
| (MURI) CENTER FOR HIGH-TEMPERATURE AEROSPACE STRUCTURAL MATERIALS:
THE MECHANICS AND MECHANICAL BEHAVIOR OF HIGH-TEMPERATURE IMC
Univ of Michigan | Ronald
Gibala | N 48
15/07/92
\$3,450,000 | JONES
92-NA-300 | |
| (MURI) CERAMIC MATRIX COMPOSITES FOR HIGH TEMPERATURE AEROSPACE
STRUCTURAL APPLICATIONS
Univ of Missouri | Dharani
Lokeswari | N 36
15/07/92
\$2,292,902 | JONES
92-NA-301 | |
| (MURI) THE DEVELOPMENT OF ADVANCED CARBON-CARBON COMPOSITES FOR
AEROSPACE STRUCTURAL APPLICATIONS
Univ of Oklahoma | Kline
Donald | N 36
15/07/92
\$3,058,067 | JONES
92-NA-302 | |
| (MURI) BASIC SOLUTIONS TO CARBON/CARBON OXIDATION: SCIENCE AND
TECHNOLOGY
Pennsylvania State University | Harrison
Ian | N 48
15/07/92
\$3,867,529 | JONES
92-NA-303 | |
| (MURI) AN EXPERIMENTALLY BASED CONSTITUTIVE MODEL FOR HIGH
TEMPERATURE MATERIALS USING ICE AS AN ANALOG
Univ of Iowa | Hixon
Wilfred | N 36
15/07/92
\$3,016,119 | JONES
92-NA-304 | |
| (MURI) GRADED INTERCONNECTED COMPOSITE STRUCTURES FOR HIGH-
TEMPERATURE STRUCTURAL APPLICATIONS
Massachusetts Institute of Technology | Mortenson
Andreas | N 36
15/07/92
\$4,445,714 | JONES
92-NA-305 | |
| (MURI) NEW, NEAR ZERO-SHRINKAGE POLYMER FOR SUPERIOR CARBON/CARBON
COMPOSITES
Case Western Reserve University | Ishida
Hatsuo | N 48
15/07/92
\$4,390,329 | JONES
92-NA-306 | |
| (MURI) HIGH-TEMPERATURE STRUCTURAL CARBON-CARBON COMPOSITE/
CHEMICALLY AND MECHANICALLY COMPATIBLE COATINGS FOR OXIDATION RESI
Ohio State University | Pierre
George | N 48
15/07/92
\$8,000,000 | JONES
92-NA-307 | |

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| (MURI) STRUCTURAL PROPERTIES AND PERFORMANCE OF ALUMINUM SYSTEMS
SYNTHESIZED BY THE MIXALLOY PROCESS
Massachusetts Institute of Technology | Jun.-Moon | N 36
15/07/92
\$3,999,736 | JONES
92-NA-308 | |
| (MURI) MICROMECHANICS AND MICROPHYSICS OF INTERFACES IN COMPOSITES
Illinois Institute of Technology | Cesar Sciammarella | N 48
15/07/92
\$1,627,722 | JONES
92-NA-309 | |
| (MURI) NOVEL OXIDE/CERAMIC COMPOSITES FOR SUPERIOR HIGH
TEMPERATURE PERFORMANCE
Cohlen University | Harmer | N 36
15/07/92
\$4,000,000 | JONES
92-NA-310 | |
| (MURI) DAMAGE MECHANISMS, MECHANICS AND DETECTION OF HIGH
TEMPERATURE INTERMETALLIC AND COMPOSITES
Washington University | Shankar | N 26
15/07/92
\$3,073,794 | JONES
92-NA-311 | |
| (MURI) SYNTHESIS OF HIGH PERFORMANCE YAS AND ALUMINA COMPOSITES
Univ of Illinois | Shome | N 36
15/07/92
\$3,310,777 | JONES
92-NA-312 | |
| (MURI) HIGH-TEMPERATURE COMPOSITES: PROCESSING, PROPERTIES AND
PERFORMANCE
Univ of Virginia | Carl Harkovich | N 36
15/07/92
\$3,432,434 | JONES
92-NA-313 | |
| (MURI) ATOMISTIC MODELLING OF AEROSPACE MATERIALS
California Institute of Technology | William Rodgers III | N 48
15/07/92
\$4,000,000 | JONES
92-NA-314 | |
| (MURI) CHARACTERIZATION OF DIRECTLY BONDED JOINTS FOR HIGH-
TEMPERATURE AEROSPACE APPLICATIONS
Mississippi State University | A. George Bennett | N 48
15/07/92
\$3,408,225 | JONES
92-NA-315 | |
| (MURI) HIGH TEMPERATURE PROTECTIVE COATINGS FOR CARBON/CARBON
COMPOSITES
Arizona State University | James Stanley | N 36
15/07/92
\$1,873,373 | JONES
92-NA-316 | |

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| (MUR1) DEVELOPMENT OF STUDYING TURBULENCE AND TWO SURFACE
INTERACTIONS IN HIGH TEMPERATURE REACTING FLOWS
North Carolina State University | M | N 36
16/07/92
\$4,000,000 | TISHKOFF
92-NA-317 | |
| (MUR2) AEROTHERMOCHEMICAL PROBLEMS OF HYPERSONIC FLIGHT VEHICLES
Brown University | Joseph
T C Liu | N 36
16/07/92
\$3,990,857 | TISHKOFF
92-NA-318 | |
| (MUR3) AEROTHERMOCHEMISTRY
Duke University | Madey
John M J | N 36
16/07/92
\$4,261,339 | TISHKOFF
92-NA-319 | |
| (MUR4) AEROTHERMOCHEMISTRY RESEARCH IN SUPERSONIC COMBUSTION
Georgia Institute of Tech | Strahle
Warren | N 36
16/07/92
\$2,490,566 | TISHKOFF
92-NA-320 | |
| (MUR5) HIGH-SPEED MIXING AND COMBUSTIONS AN INTEGRATED
COMPUTATIONAL AND EXPERIMENTAL INVESTIGATION
Univ of Virginia | McDaniel
James | N 36
16/07/92
\$3,893,494 | TISHKOFF
92-NA-321 | |
| (MUR6) MIXING IN SUPERSONIC, CHEMICALLY REACTING, TURBULENT SHEAR
LAYER;
Univ of Texas | Thompson
David | N 36
16/07/92
\$3,326,135 | TISHKOFF
92-NA-322 | |
| (MUR7) SUPERSONIC MIXING AND COMBUSTION PROCESSES
Univ of Washington | Christiansen
Walter | N 36
16/07/92
\$2,242,180 | TISHKOFF
92-NA-323 | |
| (MUR8) ACCURATE AND EFFICIENT COMPUTATION OF NON-EQUILIBRIUM
REACTING AND RADIATING FLOWS
Univ of Texas | Varghese
Phillip | N 36
16/07/92
\$2,091,372 | TISHKOFF
92-NA-324 | |
| (MUR9) TURBULENT AND HIGH-SPEED FLOWS WITH CHEMISTRY AND PHASE
CHANGES
Univ of California, San Diego | Williams
Forman | N 36
17/07/92
\$3,999,996 | TISHKOFF
92-NA-325 | |

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| (MURD) A NON-UNIVERSITY SPALL-INITIATED FLAMING ORF SYSTEM FOR
HYPERSONIC AEROTHERMODYNAMICS
Univ of Tennessee | Tinnelli
Joe | N 36
17/07/92
\$2,142,635 | TISHKOFF
92-NA-326 | |
| (MURD) COLLABORATIVE THEORETICAL AND COMPUTATIONAL RESEARCH IN
HYPERSONIC FLOW AND AEROTHERMOCHEMISTRY
Michigan University | Talker
J David | N 36
17/07/92
\$3,026,065 | TISHKOFF
92-NA-327 | |
| (MURD) TURBULENT REACTING FLOW AT HIGH SPEED
Princeton University | Brown
Garry | N 36
17/07/92
\$3,996,658 | TISHKOFF
92-NA-328 | |
| (MURD) COMBUSTION WITHIN A SWIRLING TURBULENT FLOW
Florida Atlantic University | Chen
Wen | N 36
17/07/92
\$1,491,337 | TISHKOFF
92-NA-329 | |
| (MURD) INTERACTION OF CHEMISTRY, TURBULENCE AND SHOCK WAVES IN
HYPERVELOCITY FLOW
California Institute of Technology | Turnung
Hans | N 36
17/07/92
\$3,195,183 | TISHKOFF
92-NA-330 | |
| (MURD) RESEARCH IN SUPERSONIC TURBULENT REACTING FLOWS
Stanford University | Dommen
Craig | N 36
17/07/92
\$3,707,195 | TISHKOFF
92-NA-331 | |
| DEVELOPMENT OF GLOBAL/LOCAL COMPUTATIONAL PROCEDURES FOR THE
ANALYSIS OF LAMINATED COMPOSITES PLATES AND SHELLS
Texas Engineering Experiment Center | Reddy
J | N 36
17/07/92
\$437,494 | JONES
92-NA-332 | |
| UNSTEADY DIFFUSION FLAME COMBUSTION PROCESSES OF ADVANCED SOLID
PROPELLANTS
Univ of Colorado | Spencer
Melvyn | N 12
17/07/92
\$129,785 | BIRKAN
92-NA-333 | |
| (MURD) HYPERVELOCITY AIR FLOWS WITH FINITE-RATE CHEMISTRY: A
DETAILED EXPERIMENTAL INVESTIGATION & ACCOMPANYING DIRECT NUMERIC
Univ of Southern Cal -- School of Eng | Phillips
Monte | N 36
20/07/92
\$4,370,200 | TISHKOFF
92-NA-334 | |

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INSTITUTION | | | | |
| (MURI) HIGH TEMPERATURE OXIDATION OF CARBON-CARBON
COMPOSITES
California Institute of Technology | Kalewa | N 36
20/07/92
\$2,363,690 | JONES
92-NA-335 | |
| (MURI) DESIGN, ANALYSIS AND FABRICATION OF OXIDATION RESISTANT
CARBON/CARBON COMPOSITES
Clemson University | Bliefendorf | N 24
20/07/92
\$2,979,777 | JONES
92-NA-336 | |
| (MURI) DESIGN OF RELIABLE CERAMIC COMPOSITES BY SOLIDIFICATION
AND POWDER PRACTICES
Iowa State University Press | Akinc | N 36
20/07/92
\$2,736,400 | JONES
92-NA-337 | |
| (MURI) ANTI-OXIDATION COATINGS FOR HIGH TEMPERATURE POLYMERIC
COMPOSITES
Ohio University | Gulino | N 36
20/07/92
\$3,314,195 | JONES
92-NA-338 | |
| (MURI) UNIVERSITY RESEARCH INITIATIVE ON HIGH TEMPERATURE
AEROSPACE MATERIALS
Univ of Pittsburgh | Pettit | N 48
20/07/92
\$2,910,877 | JONES
92-NA-339 | |
| (MURI) SYNTHESIS AND PROPERTIES OF OXIDE-BASED CERAMIC COMPOSITES
Carnegie-Mellon University | Stall | N 36
20/07/92
\$2,442,461 | JONES
92-NA-340 | |
| (MURI) MECHANICAL BEHAVIOR INVESTIGATION OF ADVANCED CERAMIC MATRIX
COMPOSITES MATERIALS
North Carolina A&T State University | Jankar | N 36
20/07/92
\$1,893,625 | JONES
92-NA-341 | |
| (MURI) HIGH TEMPERATURE AEROSPACE STRUCTURAL MATERIALS
Georgia Institute of Tech | McDowell | N 36
20/07/92
\$4,000,000 | JONES
92-NA-342 | |
| (MURI) A PROPOSAL TO CONDUCT RESEARCH INTO CARBON-CARBON HIGH
TEMPERATURE MATERIALS
Southern Illinois University | Bright | N 36
20/07/92
\$3,529,161 | JONES
92-NA-343 | |

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| (MURI) POLYMER-BASED HIGH-TEMPERATURE COMPOSITES
Univ of California Los Angeles | H. Thomas | N 36
20/07/92
\$3,134,677 | JONES
92-NA-344 | |
| (MURI) HIGH TEMPERATURE DAMAGE MECHANISMS IN CERAMIC MATRIX COMPOSITES
Branel University | Albert | N 36
20/07/92
\$2,691,959 | JONES
92-NA-345 | |
| (MURI) DUCTILE-PHASE REINFORCED CERAMIC COMPOSITES
East Western Reserve University | Arthur | N 36
20/07/92
\$2,779,652 | JONES
92-NA-346 | |
| (MURI) INFLUENCE ALLIYING PROCESSING STRUCTURES PROPERTIES OF POLYIMIDE-BASAL MONOLITHIC CERAMIC
Univ of Florida | Michael | N 48
20/07/92
\$2,972,549 | JONES
92-NA-347 | |
| (MURI) DESIGN OF HIGH TEMPERATURE MATERIALS FOR EXTREME USE CONDITIONS
Univ of Washington | Minoru | N 48
20/07/92
\$2,948,602 | JONES
92-NA-348 | |
| (MURI) SYNTHESIS & CHARACTERIZATION OF 2- AND 3-DIMENSIONAL HIGH TEMPERATURE COMPOSITES
Colorado School of Mines | John | N 36
20/07/92
\$3,822,083 | JONES
92-NA-349 | |
| (MURI) NANOSTRUCTURED MATERIALS FOR HIGH TEMPERATURE APPLICATIONS IN ADVANCED AIRCRAFT GAS TURBINE ENGINES
University of State University | Bernard | N 24
20/07/92
\$19,561 | JONES
92-NA-350 | |
| (MURI) CARBON MICROSTRUCTURES FOR ENHANCED OXIDATION RESISTANCE AND STRUCTURAL PERFORMANCE
Univ of Houston | Kenneth | N 36
21/07/92
\$2,967,656 | JONES
92-NA-351 | |
| (MURI) HIGH TEMPERATURE ORDERED METAL MATRIX COMPOSITES: INTERFACIAL ENGINEERING
Arizona State University | Demetris | N 36
21/07/92
\$3,654,628 | JONES
92-NA-352 | |

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| (MURI) HIGH-TEMPERATURE MATERIALS DESIGN APPROACH TO HIGH TEMPERATURE
INTERMETALLIC COMPOSITES
Northwestern University | Leon | N 48
21/07/92
\$3,501,645 | JONES
92-NA-353 | |
| (MURI) ADVANCED CARBONACEOUS AND POLYMERIC MATRICES FOR HIGH
TEMPERATURE COMPOSITES
Univ of Illinois | James | N 36
21/07/92
\$4,000,000 | JONES
92-NA-354 | |
| (MURI) HIGH TEMPERATURE CHARACTERIZATION OF CONTINUOUS FIBER-
REINFORCED CERAMIC MATRIX COMPOSITES
Yuskegen University | Shaik | N 36
21/07/92
\$3,781,638 | JONES
92-NA-355 | |
| (MURI) FATIGUE OF CARBON-CARBON COMPOSITES
Clarkson University | Jenn | N 36
21/07/92
\$1,639,061 | JONES
92-NA-356 | |
| (MURI) LAND PHASE MATERIAL SCIENCE
Univ of Connecticut | Eric | N 36
21/07/92
\$1,313,112 | JONES
92-NA-357 | |
| (MURI) HIGH-TEMPERATURE INTERMETALLIC AND CERAMIC MATRIX
COMPOSITES
Univ of California, San Diego | Gilbert | N 48
21/07/92
\$2,693,669 | JONES
92-NA-358 | |
| (MURI) PROCESSING AND MICROSTRUCTURAL DESIGN OF IN-SITU GROWN
THICKEN REINFORCED CERAMIC-MATRIX COMPOSITES
Univ of Texas | Men | N 36
21/07/92
\$1,365,321 | JONES
92-NA-359 | |
| A NON LINEARLY STABLE FINITE ELEMENT CFD SYSTEM FOR HYPERSONIC
AEROTHERMODYNAMICS
Univ of Tennessee | Joe | N 48
21/07/92
\$669,443 | SAKELL
92-NA-360 | |
| INITIAL GRANT APPLICATION
Univ of California, Los Angeles | Jendkisen | N 36
21/07/92
\$209,587 | CHANG
92-NA-361 | |

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| CHURCH UNIVERSITY OF THE PACIFIC AND AEROTHERMODYNAMICS IN
AEROSPACE PROPULSIVE FLUIDS
Ohio State University | Miller | N 36
22/07/92
\$3,920,320 | SIRKAN
92-NA-363 | |
| CHURCH ADVANCED CRYOGENIC PROPELLANT,
John of California Irvine | Isarian | N 48
22/07/92
\$4,335,296 | SIRKAN
92-NA-364 | |
| 1992 AFOSR SUPPORT FOR THE JARNAF INTERAGENCY PROPULSION COMMITTEE
Office of Naval Research | Vanuto | N 02
22/07/92
\$20,000 | A
TISHKOFF
92-NA-365 | \$20,000
01/08/92
\$20,000 |
| CHURCH NEW AND INNOVATIVE CONCEPTS FOR THE OXIDATION PROTECTION OF
CARBON/CARBON COMPOSITES
Pratt & Whitney Research Foundation | Fogarty | N 36
23/07/92
\$3,821,819 | JONES
92-NA-366 | |
| CHURCH AND UNIVERSITY OF CALIFORNIA STABILITY OF COMPRESSIBLE MIXING LAYERS USING
Laser Technology Corp | Malik | N 24
27/07/92
\$312,408 | SAKELL
92-NA-367 | |
| INVESTIGATION OF THREE-DIMENSIONAL AND UNSTEADY TURBOMACHINERY
Flow Fields
Massachusetts Institute of Technology | Dreitzer | N 36
27/07/92
\$315,973 | A
FANT
92-NA-368 | \$300,715
01/11/92
\$915,973 |
| ACTIVE AND STRUCTURAL CONTROL OF COMPRESSION SYSTEM FLUID
MECHANICS
Massachusetts Institute of Technology | Osheim | N 36
27/07/92
\$908,622 | A
FANT
92-NA-369 | \$301,026
01/11/92
\$908,622 |
| CLOSED-LOOP CONTROL SYSTEMS FOR UNSTEADY FOREBODIES AND THREE-
DIMENSIONAL PITCHING AIRFOILS AT HIGH REYNOLDS NUMBERS
Illinois Institute of Technology | Williams | N 36
29/07/92
\$893,308 | A
FANT
92-NA-370 | \$289,349
01/01/93
\$893,308 |
| CONTROL OF DYNAMIC STALL OF AND COMPRESSIBILITY EFFECTS ON
TRANSIENTLY PITCHING AIRFOILS USING ADAPTIVE IDENTIFIERS
Naval Post Graduate School | Chandrasekhara | N 36
29/07/92
\$279,500 | A
FANT
92-NA-371 | \$90,000
01/10/92
\$279,500 |

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| UNIVERSITY OF CALIFORNIA, BERKELEY
FLEXIBLE ARTICULATED STRUCTURES
Stanford University | Robert
Linnon | 2 06
31/07/92
\$75,000 | A
JONES
92-NA-372 | \$75,000
30/09/92
\$75,000 |
| UNIVERSITY OF CALIFORNIA, BERKELEY
MODEL PARAMETRIC CONTROL METHODOLOGY FOR ON-LINE STRUCTURAL
VIBRATION SUPPRESSION VIA ADAPTIVE MATERIALS
Pennsylvania State University | K
Jani | N 36
03/08/92
\$269,694 | WU
92-NA-373 | |
| UNIVERSITY OF CALIFORNIA, BERKELEY
NONLINEAR FRACTURE MECHANICS OF ADVANCED COMPOSITES
Univ of Wisconsin | M
Brugan | N 36
03/08/92
\$275,720 | JONES
92-NA-374 | |
| UNIVERSITY OF CALIFORNIA, BERKELEY
CRYSTAL SUPPLEMENTARY CONSTITUTIVE EQUATIONS AND
COMPUTATIONAL PROCEDURES
Massachusetts Institute of Technology | Lallit
Anand | N 36
03/08/92
\$437,822 | JONES
92-NA-375 | |
| UNIVERSITY OF CALIFORNIA, BERKELEY
NON-LINEAR CANTILEV VIBRATION OF FILAMENTARY COMPOSITE STRUCTURES
Michigan State University | Ronald
Marianandran | N 24
03/08/92
\$164,253 | WU
92-NA-376 | |
| UNIVERSITY OF CALIFORNIA, BERKELEY
THE MICROMECHANICS OF DEFORMATION AND FAILURE IN METAL-MATRIX
COMPOSITES
Brown University | Alon
Medelman | N 36
04/08/92
\$291,000 | JONES
92-NA-377 | \$107,264
15/12/92
\$318,046 |
| UNIVERSITY OF CALIFORNIA, BERKELEY
MODELING CONSTITUTIVE RESPONSE AND STRENGTH OF MMC UNDER
COMPRESSIVE LOADING
Cattelle Memorial Institute | Golan
Nemaz | N 36
04/08/92
\$318,046 | A
JONES
92-NA-378 | |
| UNIVERSITY OF CALIFORNIA, BERKELEY
MICROSENSORS FOR FLUID FLOW APPLICATIONS
Stanford University | Lambertus
Hasselink | N 36
07/08/92
\$1,086,340 | MCMICHAEL
92-NA-379 | |
| UNIVERSITY OF CALIFORNIA, BERKELEY
THE FORCED VIBRATION WALL-JET EFFECTS ON PRESSURE GRADIENT AND
CURVATURE
Univ of Arizona | Israel
Wynanski | N 12
07/08/92
\$151,114 | A
MCMICHAEL
92-NA-380 | \$151,114
16/01/93
\$151,114 |

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| THEORETICAL STUDIES OF TUMBLING ATOMIZED FLOW | Donat | N 36
07/08/92
\$357,000 | LEWIS
92-NA-381 | |
| University | | | | |
| ACROSTRUCTURAL MECHANICS OF GRANULAR MEDIA | Ferrari | N 36
07/09/92
\$438,821 | LEWIS
92-NA-382 | |
| Univ of California Berkeley | | | | |
| THROUST INDUCED EFFECTS ON PITCH UP DELTA WING FLOW FIELD | Luiz | N 36
07/08/92
\$745,517 | A
FANT
92-NA-383 | \$235,039
15/11/92
\$745,517 |
| Florida A&M University | | | | |
| STABILITY AND CONTROL OF LONGITUDINAL VORTICES | Mehdi | N 36
10/08/92
\$244,864 | MCMICHAEL
92-NA-384 | |
| High Technology Corp | | | | |
| WAVELENGTH PROPAGATION IN RANDOM MEDIA | Martin | N 36
10/08/92
\$137,738 | LEWIS
92-NA-385 | |
| Michigan State University | | | | |
| SECOND INTERNATIONAL CONFERENCE ON DISCRETE ELEMENT METHODS | John | N 07
20/08/92
\$8,210 | LEWIS
92-NA-386 | |
| Massachusetts Institute of Technology | | | | |
| THE DURABILITY OF REINFORCED POLYMERS UNDER ADVERSE ENVIRONMENTS: | Y | N 36
26/08/92
\$320,000 | JONES
92-NA-387 | |
| CHALLENGE REPORTS | Plazott | | | |
| Univ of Toronto | | | | |
| NUMERICAL STUDIES FOR THE RAM ACCELERATOR | Oran | N 12
26/08/92
\$120,000 | YISHKOFF
92-NA-388 | |
| Naval Research Laboratory | | | | |
| NON-LINEAR FLOW/STRUCTURE INTERACTION OF COMPOSITE PLATES UNDER STATIC | Anthony | N 24
26/08/92
\$120,651 | JONES
92-NA-389 | |
| CIRCULAR LOADING: EXPERIMENT & ANALYSIS | Alas | | | |
| Univ of Michigan | | | | |

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| EXPERIMENTAL AND THEORETICAL INVESTIGATION OF CRITICAL REACTIONS
IN ALKANE COMBUSTION
Cornell University | Corrater
Berry | N 36
27/08/92
\$550,732 | TISHKOFF
92-NA-390 | |
| FRACTURE PROCESS ZONE STUDIES OF HIGH TEMPERATURE STRUCTURAL
CERAMICS
Univ of Houston | White
Kenneth | N 35
27/08/92
\$594,143 | JONES
92-NA-391 | |
| A NEW APPROACH FOR MODELING CONVENTIONAL MATERIALS
S-Cubed | Reed
Harold | N 24
31/08/92
\$149,538 | LEWIS
92-NA-392 | |
| EXPERIMENTAL STUDY OF FACTOR CONTROLLING INSTABILITY OF FRICTIONAL
ADHERIAL
Univ of California, Los Angeles | Lida
Paul | N 36
31/08/92
\$282,074 | LEWIS
92-NA-393 | |
| TWO PHASE MECHANICS OF FLOW, DIFFUSION AND DEFORMATION OF POLY-
ELASTIC MEDIA
Massachusetts Institute of Technology | Lee
Chiang | N 36
31/08/92
\$325,814 | LEWIS
92-NA-394 | |
| PHOTOElastic QUANTITATIVE STUDY OF THE BEHAVIOR OF GRANULAR
MATERIAL - FRICTION ALONG AN INTERFACE
Univ of Massachusetts at Lowell | Polakowsky
Samuel | N 36
31/09/92
\$256,362 | LEWIS
92-NA-395 | |
| CONSTITUTIVE MODELING OF METAL MATRIX COMPOSITES UNDER CYCLIC
LOADS
Louisiana State University | Toyadji
George | N 36
09/09/92
\$232,707 | A
JONES
92-NA-396 | \$35,310
01/04/93
\$111,586 |
| HYBRID CERAMIC MATRIX COMPOSITES
Univ of Missouri | Dharani
Lokeswarappa | N 24
09/09/92
\$172,699 | JONES
92-NA-397 | |
| FLOW CONTROL USING NEURAL NETWORKS
Ohio State Univ Research Foundation | Harbert
Thorwald | N 36
03/09/92
\$431,278 | A
MICHAEL
92-NA-398 | \$145,327
01/01/93
\$431,278 |

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| PRODUCTION RESEARCH ON THE EFFECT OF FLAME PLASMA ROCKET | CHANG-GLAZ | R 12
07/09/92
\$120,000 | BIRKAN
92-NA-399 | |
| Massachusetts Institute of Technology | | | | |
| EFFECT OF MICROSTRUCTURE ON THE DYNAMIC BEHAVIOR OF GRANULAR AND PARTICULATE MATERIALS | CHUKLA | M 36
16/09/92
\$349,472 | LEWIS
92-NA-400 | |
| Univ of Rhode Island | | | | |
| PERISILE PROPERTIES OF UNCEMENTED GRANULAR MATERIALS | PERKINS | N 15
16/09/92
\$56,138 | LEWIS
92-NA-401 | |
| Indiana State University | | | | |
| COMPUTER SUPPORT FOR THERMAL HERBERT | MADES | M 12
17/09/92
\$5,000 | A
SAKELL
92-NA-402 | \$5,000
01/10/92
\$5,000 |
| Air Force Weapons Lab | | | | |
| PROVIDE COMPUTER SUPPORT ON AFWL STAY 2 | MADES | N 12
21/09/92
\$2,000 | A
SAKELL
92-NA-403 | \$2,000
01/10/92
\$2,000 |
| Air Force Weapons Lab | | | | |
| SUPPORT JUTAM SYMPOSIUM PROBABILISTIC STRUCTURAL MECHANICS:
ADVANCES IN STRUCTURAL RELIABILITY METHODS | WU | N 02
22/09/92
\$10,000 | D
CHANG
92-NA-404 | |
| Southeast Research Institute | | | | |
| SIMULATION OF THE AEROTHERMODYNAMICS FOR INTEGRATED HYPERSONIC AIRCRAFTING PROPULSION SYSTEMS | MADES | N 36
29/09/92
\$727,104 | SAKELL
92-NA-405 | |
| Univ of Cincinnati | | | | |
| A PROPOSAL FOR OPTIMAL AND SUBOPTIMAL PLACEMENT OF ACTUATORS AND SENSORS | CHAUDHURY | N 12
29/09/92
\$162,745 | WU
92-NA-406 | |
| Iowa State University | | | | |

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| 1. BREATH-TOOL FROSTMANIC RILER REDUCES FOR THE APPLICATION OF
FIXED METAL OXIDE FILTERS
UNIV of Georgia | Kinn | N 36
06/07/92
\$437,168 | SURGGRAF
92-NC-298 | |
| 2. THERMODYNAMICS AND PHASE BEHAVIOR OF SOL-GEL GENERATED INORGANIC-
ORGANIC COPOLYMERS AND THEIR ALLENDS
UNIV of Massachusetts | Karasz | N 36
06/07/92
\$630,381 | LEE
92-NC-299 | |
| 3. ULTRAFAST SCINTILLATORS FOR TRANSMISSION TOMOGRAPHY
Boston University | Lewicki | N 36
08/07/92
\$735,973 | ERSTFELD
92-NC-300 | |
| 4. MATERIALS DEGRADATION AND AGING OF AEROSPACE STRUCTURES
Georgia Institute of Tech | Aturi | N 48
08/07/92
\$3,371,836 | ERSTFELD
92-NC-301 | |
| 5. FATIGUE ANALYZED FOR IN SITU FIELD MONITORING OF FATIGUE LIFE OF
AIRCRAFT METAL
UNIV of Wyoming | Slaughter | N 36
10/07/92
\$9,400 | ERSTFELD
92-NC-302 | |
| 6. ADVANCED INSTRUMENTATION AND MEASUREMENTS FOR EARLY NONDESTRUCTIVE
EVALUATION OF DAMAGE AND DEFECTS IN AEROSTRUCTURES AND AGING AIRCR
Purdue University | John | N 48
10/07/92
\$3,044,513 | ERSTFELD
92-NC-303 | |
| 7. NONDESTRUCTIVE PERFORMANCE AND RELIABILITY EVALUATION OF USED
AIRCRAFT CONSIDERING MATERIAL DEGRADATION, CORROSION, AND FATIGUE
UNIV of Arizona | Halder | N 48
10/07/92
\$2,224,539 | ERSTFELD
92-NC-304 | |
| 8. STUDY OF DEFECTS CAUSED BY FATIGUE IN METALS AND FIBER
STRENGTHENED CERAMIC COMPOSITES
UNIV of Missouri | Lalighy, Jr. | N 48
10/07/92
\$4,383,884 | ERSTFELD
92-NC-305 | |
| 9. ENVIRONMENTAL DEGRADATION AND FATIGUE IN AIRCRAFT STRUCTURAL
MATERIALS-RELATIONSHIP BETWEEN ENVIRONMENTAL DUTY & COMPONENT LIFE
Massachusetts Institute of Technology | Regis v. | N 48
10/07/92
\$3,183,327 | ERSTFELD
92-NC-306 | |

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| MATERIALS DEGRADATION AND FATIGUE IN AIRCRAFT STRUCTURES
Univ of Utah | McGeehee
David | N 48
10/07/92
\$3,830,511 | ERSTFELD
92-MC-307 | |
| THEORETICAL AND EXPERIMENTAL INVESTIGATION OF MATERIAL
DEGRADATION FOR AIRCRAFT STRUCTURES
Univ of Arizona | Kundu
Tribixman | N 48
10/07/92
\$2,032,633 | ERSTFELD
92-MC-308 | |
| THE DEVELOPMENT OF ADVANCED CARBON-CARBON COMPOSITES FOR
AEROSPACE STRUCTURAL APPLICATIONS
Univ of Oklahoma | Kline
Ronald | N 48
10/07/92
\$3,058,067 | ERSTFELD
92-MC-309 | |
| MODELING AND EXPERIMENTAL VERIFICATION OF INTERFACIAL PROCESSES
CONTRIBUTING TO THE PERFORMANCE OF INTERMETALLIC & CERAMIC MAT. CO
Pennsylvania State University | Hallmann
John | N 48
10/07/92
\$4,586,592 | ERSTFELD
92-MC-310 | |
| MATERIALS DEGRADATION AND FATIGUE IN AEROSPACE STRUCTURES
Purdue University | Brundt, Jr.
Allen | N 48
10/07/92
\$3,548,522 | ERSTFELD
92-MC-311 | |
| THERMAL AND MECHANICAL FATIGUE OF CERAMIC COMPOSITES AS A FUNCTION
OF VOLUME FRACTION REINFORCEMENT
Michigan State University | Casse
Eldon | N 48
10/07/92
\$2,531,606 | ERSTFELD
92-MC-312 | |
| UNDERSTANDING, DETECTING AND CHARACTERIZING CORROSION IN
AIRCRAFT STRUCTURES
Iowa State Univ of Science and Tech | Casse
James | N 48
10/07/92
\$4,055,580 | ERSTFELD
92-MC-313 | |
| MATERIALS DEGRADATION AND FATIGUE UNDER EXTREME CONDITIONS
Univ of Illinois | Jonas
Jiri | N 48
10/07/92
\$2,997,893 | ERSTFELD
92-MC-314 | |
| MATERIALS DEGRADATION AND FATIGUE IN AEROSPACE STRUCTURES
Univ of Illinois | Tinn
Thomas C. | N 48
10/07/92
\$4,095,779 | ERSTFELD
92-MC-315 | |

| PI TITLE (CONT.)
INSTITUTION | INVESTIGATOR | TYPE/MONTHS
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AMOUNT | STATUS
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TOT AMT |
|---|--------------|-----------------------------------|---|------------------------------------|
| CORROSION AND FATIGUE OF AEROSPACE STRUCTURAL MATERIALS:
CHEMISTRY, MICROMECHANICS AND RELIABILITY
Louisiana University | Robert | N 48
10/07/92
\$2,990,000 | ERSTFELD
92-NC-316 | |
| MATERIALS DEGRADATION AND FATIGUE IN AEROSPACE STRUCTURES:
MECHANISMS, IDENTIFICATION, PREVENTION AND REMEDIATION
Univ of Central Florida | David | N 48
10/07/92
\$3,498,468 | ERSTFELD
92-NC-317 | |
| FATIGUE CRACK INITIATION: FUNDAMENTAL AND ENVIRONMENTAL ISSUES
Northeastern University | Yip | N 36
10/07/92
\$2,973,884 | ERSTFELD
92-NC-318 | |
| ADVANCED STUDIES IN THE DEGRADATION AND FATIGUE OF AEROSPACE
MATERIALS
Florida International University | Jenayov | N 48
13/07/92
\$3,445,846 | ERSTFELD
92-NC-320 | |
| DAMAGE NUCLEATION IN AEROSPACE MATERIALS FROM CORROSION AND
FATIGUE
Univ of New Mexico | Illothy | N 48
13/07/92
\$2,226,244 | ERSTFELD
92-NC-321 | |
| MATERIALS DEGRADATION IN CERAMIC STRUCTURES
Univ of Dayton | Vinod | N 48
13/07/92
\$3,303,072 | ERSTFELD
92-NC-322 | |
| A FOCUSED, FUNDAMENTAL STUDY ON PREDICTING MATERIALS DEGRADATION
Univ of Florida | Whitney | N 48
13/07/92
\$4,265,444 | ERSTFELD
92-NC-323 | |
| RAMI-A NEW SEMIEMPIRICAL METHOD INCLUDING 0-0RBITALS
Univ of Missouri | Holder | N 24
13/07/92
\$256,066 | A
HEDBERG
92-NC-324 | \$130,192
01/03/93
\$256,067 |
| SYNTHESIS AND CHARACTERIZATION OF NEW NONLINEAR OPTICAL AND
PHOTOCONDUCTIVE FILMS
Univ of Maryland | Stephen | N 36
13/07/92
\$137,362 | LEE
92-NC-325 | |

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| TITLE
TITLE (CONT.)
INSTITUTION | INVESTIGATOR | TYPE/MONTHS
RECEIVED
AMOUNT | STATUS
PROGRAM MANAGER
PROPOSAL # | INITIATE
START DATE
TOT AMT |
|--|--------------|-----------------------------------|---|------------------------------------|
| MILITARY POLYMERIC COMPOUNDS
Univ of Florida | Anthony | N 36
13/07/92
\$377,776 | LEE
92-NC-326 | |
| THEORY OF METAL/OXIDE INTERFACIAL STRUCTURE AND JOINING
Case Western Reserve University | Lebright | N 36
13/07/92
\$376,787 | BURGGRAB
92-NC-327 | |
| DESIGN, SYNTHESIS AND CHARACTERIZATION OF NOVEL NONLINEAR OPTICAL MATERIALS
State University of New York | Paras | N 36
13/07/92
\$1,002,825 | LEE
92-NC-328 | |
| RATIONAL DESIGN, CONSTRUCTION, AND PROCESSING OF HIGH-PERFORMANCE NONLINEAR OPTICAL MATERIALS
Northwestern University | Tobin | R 12
14/07/92
\$280,000 | LEE
92-NC-329 | \$280,000
01/12/92
\$280,000 |
| A MULTIDISCIPLINARY APPROACH TO ACTIVELY CONTROLLED HIGH-PERFORMANCE ALMS
Univ of Washington | LY | N 48
14/07/92
\$2,160,120 | ERSTFELD
92-NC-330 | |
| ATOMISTIC STUDY OF MATERIALS SURFACE DEGRADATION AND PROTECTION UTILIZING LOW-ENERGY BEAMS OF U ⁴⁰⁺
Univ of Denver | Robert | N 36
14/07/92
\$939,030 | ERSTFELD
92-NC-331 | |
| EFFECTS OF SUPERCRITICAL CONDITIONS ON THERMAL DEGRADATION OF NOVEL HYDROCARBONS AND FUELS AND ON FORMATION OF SOLID DEPOSITS
Pennsylvania State University | Smith | N 36
20/07/92
\$310,340 | HEDBERG
92-NC-334 | |
| CHARACTERIZATION OF MATERIALS DEGRADATION DUE TO CORROSION AND FATIGUE IN AEROSPACE STRUCTURES
Univ of California, Los Angeles | Ajit | N 48
21/07/92
\$3,154,520 | ERSTFELD
92-NC-335 | |
| NOVEL FERROMAGNETIC MATERIALS
Princeton University | Amar | N 36
21/07/92
\$338,021 | LEE
92-NC-336 | |

| TITLE
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INSTITUTION | INVESTIGATOR | TYPE/MONTHS
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AMOUNT | STATUS
PROGRAM MANAGER
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TOT AMT |
|--|------------------------|-----------------------------------|---|-----------------------------------|
| SYNTHESIS AND PROCESSING OF MULTI-PHASE CERAMICS FOR AEROSPACE APPLICATIONS
Massachusetts Institute of Technology | Shine
Dandell | N 35
24/07/92
\$903,647 | BURGGRAPH
92-NC-339 | |
| INVESTIGATE THE MICROSTRUCTURAL DEVELOPMENT OF SOLID STATE REACTIONS FOR PROCESSING YTTRIUM-ALUMINUM-GARNET(YAG) CERAMIC COMPOUNDS
Ballistic Pacific Northwest Laboratories | Edward
Courtright | N 36
27/07/92
\$600,000 | BURGGRAPH
92-NC-341 | |
| CRACK BEHAVIOR OF COARSE-GRAINED CERAMICS AT LOW STRAIN RATES
Univ of California, Irvine | Jeffrey
Jelfenstine | N 36
27/07/92
\$286,635 | BURGGRAPH
92-NC-342 | |
| ENHANCEMENT OF LOW-TEMPERATURE DUCTILITY AND TOUGHNESS IN GAMMA-TITANIUM ALUMINIDE DUE TO MARTENSITIC TRANSFORMATION ON A DISPERSI
Purdue University | Mica
Jrubic | N 36
28/07/92
\$260,110 | ROSENSTEIN
92-NC-343 | |
| (FYSI ASERT) NEW POLYMERS AND COMPOSITES WITH ENHANCE OPTICAL NONLINEARITY
Northern Illinois University | Charles
Sandler | N 36
23/07/92
\$88,140 | LEE
92-NC-344 | \$86,606
30/09/92
\$88,140 |
| MASSIVELY PARALLEL COUPLED CLUSTER AND DENSITY FUNCTIONAL APPROACHES FOR CARBON-60 CATION NEW MATERIALS
Purdue University | Gustavo
Scuseria | N 36
23/07/92
\$356,755 | BURGGRAPH
92-NC-345 | |
| NEW NANOCOMPOSITE MATERIALS WITH HIGH DIELECTRIC PROPERTIES
Pennsylvania State University | Rustum
Roy | N 36
31/07/92
\$497,901 | ERSTFELD
92-NC-346 | |
| ENERGY TRANSFER, RADICAL-MOLECULE, AND ION-MOLECULE REACTIONS IN ALKENES AND SILANES
Univ of Pittsburgh | Michael
Golde | N 36
31/07/92
\$331,381 | BERMAN
92-NC-347 | |
| PHYSICAL CHEMISTRY OF ENDOGENIC NITROGEN COMPOUNDS
Univ of Utah | Robert
George | N 36
03/08/92
\$274,327 | BERMAN
92-NC-348 | |

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AMOUNT | STATUS
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TOT AMT |
|--|--------------|-----------------------------------|---|------------------------------------|
| SEMI-FLUOROPOLYMER CHAIN POLYMERIZATION SYSTEMS FOR BINARY MIX
RESPONSE - SYNTHESIS, MORPHOLOGY, GEL AND THEORY
UNIV. of Cambridge--Research Grants Dept | M. Warner | N 36
11/08/92
\$266,226 | LEE
92-NC-358 | |
| TRANSFORMATION WEAKENING OF CERAMIC COMPOSITE INTERFACES
UNIV of Illinois | Kniven | N 12
12/08/92
\$88,578 | BURGGRAB
92-NC-359 | |
| THE STRUCTURE OF NONCRYSTALLINE SOLIDS STUDIED BY PRESSURE-
INDUCED TRANSFORMATIONS
Cornell--Fellow University | Hammack | N 36
12/08/92
\$656,633 | ERSTFELD
92-NC-360 | |
| CATALYTIC AND TRANSPORT MECHANISMS OF SUPERCRITICAL FUELS
Forrester Polytechnic Institute | Hofer | N 36
12/08/92
\$455,970 | ERSTFELD
92-NC-361 | |
| ELEVATED TEMPERATURE PERFORMANCE OF POLYMER MATRIX COMPOSITES IN
RELATION TO CURE AND POSTCURE PROCESSING CYCLES
UNIV of Washington | Jefferys | N 36
14/08/92
\$237,480 | LEE
92-NC-362 | |
| REACTION OF ADVANCED FUELS AT SUPERCRITICAL AND NEAR-CRITICAL
CONDITIONS OVER METAL CATALYSTS
Yale University | Pfefferle | N 60
14/03/92
\$915,868 | ERSTFELD
92-NC-363 | |
| PROCESSING AND PROPERTIES OF TOUGH SILICIDES
State Eastern Reserve University | Lysandowski | N 36
14/08/92
\$504,321 | A
ROSENSTEIN
92-NC-364 | \$163,599
01/01/93
\$504,321 |
| NEW OPTICALLY ACTIVE ORMOSSILS WITH IN SITU ORGANIC-INORGANIC
INTERACTIONS
UNIV of California, Los Angeles | Mackenzie | N 36
13/08/92
\$231,191 | LEE
92-NC-365 | |
| FUNDAMENTAL UNDERSTANDING OF THE STRUCTURAL AND CHEMICAL CHANGES
OCCURRING IN OXIDATION TESTED IRRADIATED CARBON/CARBON
Tuskegee University | Shank | N 36
13/08/92
\$464,329 | ERSTFELD
92-NC-366 | |

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TOT AMT |
|---|-----------------|-----------------------------------|---|-----------------------------------|
| NEW CLASS OF HIGH TEMPERATURE POLYMER-BLENDED POLYMER
MULTILAYER MATERIALS FOR HIGH-ENERGY OPTICAL APPLICATIONS
Alpha Lab Inc | Angelo | N 36
18/08/92
\$198,597 | LEE
92-NC-367 | |
| DEVELOPMENT OF OXYGEN SCAVENGER ADDITIVES FOR JET FUELS
Duquesne University | Bruce
Jeever | N 24
19/08/92
\$151,292 | HEDBERG
92-NC-368 | |
| MICROSCOPIC MODELING OF NANOTECHNOLOGY LUBRICATION AND WEAR,
SURFACE PROCESSING, AND NANOSTRUCTURES | | N 36
19/08/92 | BURGGRAB | |

| Georgia Institute of Tech | Landman | U-1 | \$426,599 | 92-NC-369 |
|---|---------|---------|-------------------------------|-------------------------|
| A STUDY ON PROCESSING, MECHANICAL PROPERTIES AND MICROSTRUCTURE OF NEW GAMMA TITANIUM ALUMINIDES AND THEIR COMPOSITES
Polytechnic University | Landman | Sung | N 36
21/08/92
\$534,194 | ROSENSTEIN
92-NC-370 |
| CAPACITIZATION AND EFFECTS OF JOINT TO US UNDER EFFECTS OF TEMPERATURE AND PRESSURE
State University of New York | Brigit | Frank | N 36
03/09/92
\$573,444 | HEDBERG
92-NC-371 |
| INVESTIGATIONS OF METAL ADHESION AND REACTIONS ON SOLID LUBRICANT SURFACES USING SCANNED PROBE MICROSCOPES
Harvard University | Lieber | Charles | N 36
04/09/92
\$577,363 | ERSTFELD
92-NC-372 |
| SECONDARY RECRYSTALLIZATION IN HOT ROLLED FINE DISPERSION STRENGTHENED MAT54 SHEET
Michigan State University | Staler | Thomas | N 36
08/09/92
\$163,106 | ROSENSTEIN
92-NC-373 |
| POLYMER-CERAMIC/GLASS COMPOSITES
Univ of Massachusetts at Lowell | Donner | Francis | N 36
09/09/92
\$329,745 | LEE
92-NC-374 |
| MECHANISMS OF HIGH-TEMPERATURE FATIGUE-CRACK GROWTH AND LOAD-TEMPERATURE TOUGHNESS IN MONOLITHIC AND COMPOSITE INTERMETALLIC AL
Univ of California, Berkeley | Richie | Robert | N 36
14/03/92
\$650,259 | ROSENSTEIN
92-NC-375 |

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 WASHINGTON, DC 20330-5000

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|---|--------------|----------------------------------|---|-----------------------------------|
| COMPLEX AND STENOCHORDIAL MOLECULAR OPTICAL MATERIALS | Alison | N 06
16/09/92
\$57,339 | A
LEE
92-NC-376 | \$57,339
15/12/92
\$57,339 |
| Interfacial Phenomena at Carbon Surfaces in Oxygen Environments | John | N 36
28/09/92
\$352,463 | BURGGRAB
92-NC-377 | |
| A MECHANISTIC APPROACH TO LARGER MOLECULAR THIRD ORDER OPTICAL POLARIZABILITIES | John | N 36
28/09/92
\$422,547 | LEE
92-NC-378 | |
| First International Workshop on G-Jitter | Liya | N 12
28/09/92
\$59,389 | D
ERSTFELD
92-NC-379 | |
| Hydrogen Tolerance of Gamma-Ray Microstructures | Trasa | N 26
23/09/92
\$435,000 | ROSENSTEIN
92-NC-380 | |
| Band Structure Engineering with Semiconductor Clusters | Richard | N 36
28/09/92
\$476,288 | ERSTFELD
92-NC-381 | |

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FILE
TITLE (CONT.)
INSTITUTION

RESEARCH FUNDING AND OF ELECTRONIC RESEARCH ON UNITED
STATE-ARSENIC/SEMICONDUCTOR HETEROSTRUCTURES
Allen, Jr
Univ of California, Santa Barbara

5

INVESTIGATOR

SUPERCONDUCTIVE ORGANIC POLYMERS: CONCEPTUAL DESIGN, SYNTHESIS,
AND CHARACTERIZATION
Eisenbaumer
Univ of Texas

Ronald

SUPERCONDUCTIVITY IN CAGE FULLERENES

Leeds University

Lides

Mortimer

NOVEL X X M INTEGRATED CHANNEL WAVEGUIDE OPTICAL CROSSCARS FOR
LARGE SCALE HIGH SPEED NON-BLOCKING DATA SWITCHING
Jinn
Physical Optics Corporation

Michael

LEARNING TUNNELING ALGORITHMS FOR FABRICATION OF MESOSCALE
SUPRACONDUCTOR ELECTRON DEVICES
Walt
Polytechnic University

E

QUANTUM OPTICAL STUDIES OF SEMICONDUCTORS

Univ of Michigan

Steel

WAVELENGTH TRANSLATION TECHNOLOGY FOR ALL-OPTICAL NETWORK

Durham Aircraft Corp Research Labs

Lyn

J

INTERMETALLIC - SEMICONDUCTOR SUPERLATTICES

Univ of Minnesota

Cohen

Philip

INVESTIGATIONS OF ATOMIC PHYSICS WITH A COYGENIC HYDROGEN LASER

Swinsomson Institution

Vossat

Robert

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AMOUNT | STATUS
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TOT AMT |
|-----------------------------------|---|------------------------------------|
| N 36
01/07/92
\$393,669 | POMRENKE
92-NE-335 | |
| N 26
10/07/92
\$550,000 | A
WEINSTOCK
92-NE-336 | \$180,000
30/09/92
\$550,000 |
| N 36
10/07/92
\$316,939 | A
WEINSTOCK
92-NE-337 | \$105,997
30/09/92
\$316,939 |
| N 06
15/07/92
\$50,501 | A
CRAIG
92-NE-338 | \$54,166
30/09/92
\$50,501 |
| N 36
16/07/92
\$426,772 | A
WEINSTOCK
92-NE-339 | \$149,556
01/11/92
\$426,772 |
| N 36
16/07/92
\$866,451 | A
SCHLOSSER
92-NE-340 | \$228,563
15/01/93
\$709,974 |
| N 36
16/07/92
\$862,577 | CRAIG
92-NE-341 | |
| N 36
16/07/92
\$195,346 | A
POMRENKE
92-NE-342 | \$58,911
01/10/92
\$195,346 |
| 0 24
16/07/92
\$459,550 | KELLEY
92-NE-343 | |

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TOT AMT |
|--|---------------------|-----------------------------------|---|------------------------------------|
| WORKSHOP ON THE ROAD TO ROOM TEMPERATURE SUPERCONDUCTIVITY
Stanford University | Seballe
Therence | N 03
16/07/92
\$8,000 | A
WEINSTOCK
92-NE-344 | \$8,000
01/10/92
\$8,000 |
| HOLOGRAPHIC MULTIPLEXING FOR 3D OPTICAL MEMORY
Costum-Miller Inc | Jomash
Lawrence | N 06
22/07/92
\$49,894 | A
CRAIG
92-NE-345 | \$49,894
30/09/92
\$49,894 |
| STUDY OF ADVANCED APPLICATIONS OF WAVE-PARTICLE INTERACTION
Texas Tech University | Isinhardt
Graham | N 36
22/07/92
\$127,758 | BARKER
92-NE-346 | |
| LASER PROBLEMS OF II-V AND II-VI SEMICONDUCTOR GROWTH
Univ of Colorado | Lione
Stephen | R 36
22/07/92
\$393,983 | POMRENKE
92-NE-347 | |
| ORGANIZATION OF 1992 NONLINEAR OPTICS: MATERIALS, FUNDAMENTALS AND APPLICATIONS SECOND TOPICAL MEETING
Optical Society of America | Quinn
Jarvis | N 12
23/07/92
\$4,057 | A
CRAIG
92-NE-348 | \$4,000
19/08/92
\$4,057 |
| ANOMALOUS PLASMA ABSORPTION OF ELECTROMAGNETIC RADIATION
Javal Research Laboratory | Rowland
Harvey | N 02
24/07/92
\$383 | A
BARKER
92-NE-349 | \$383
01/09/92
\$383 |
| OPTICAL STORAGE BASED ON PERSISTENT SPECTRAL HOLE BURNING
City University of New York | Alfano
Robert | N 36
31/07/92
\$535,488 | A
CRAIG
92-NE-350 | \$249,099
01/12/92
\$692,338 |
| ADVANCED HETEROSTRUCTURE TRANSISTORS
Engineering Foundation | Freiman
Charles | N 04
31/07/92
\$5,000 | MITT
92-NE-351 | |
| A COMPUTATIONAL SEARCH AIDS SEMICONDUCTOR CRYSTALS FOR SUPERIOR MATERIALS FOR SECOND HARMONIC GENERATION
Ohio State University | Levine
Zachary | N 36
31/07/92
\$451,991 | POMRENKE
92-NE-352 | |

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TITLE
(CONT.)
INSTITUTION

INVESTIGATOR

(U) F) ULTRA-HIGH SPEED SOUND CONDUCTOR PHOTONICS

Cornell University

SPUSIUS

J

RESEARCH SUPPORT FOR THE LABORATORY FOR LIGHTWAVE TECHNOLOGY

Cornell University

Maria

T

THEORY OF NONLINEAR OPTICAL PROPERTIES OF FRACIAL MEDIA AS NOVEL
OPTICAL MATERIALS
Washington State University

George

Thomas

PERSISTENT CURRENT RECORDED RINGS WITH STRONG-ELECTRON AND
STATIC DISORDER
City University of New York

Schweitzer

David

COMPUTER SUPPORT OF NONLINEAR OPTICAL PROPERTIES IN
QUANTUM RINGS AND ORGANIC QUANTUM DOTS
Univ of Alabama

Isidoroff

Frank

ARSENIC CLUSTER ENGINEERING

Burdue Research Foundation

Malloch

Michael

A STUDY OF INVALUABLE (C-V) (C-V) (C-V) EPI-LAYERS ON GaAs AND IMP
THIN SUBSTRATES FOR APPLICATIONS IN OPTOELECTRONICS DEVICES
Univ of Virginia

Tran

Elias

NOVEL METHODS OF ACCELERATION

Cornell University

Nation

John

ADVANCED FILM-FILM DEPOSITION AND PHYSICAL PROPERTIES OF
HIGH-TEMPERATURE AND OTHER NOVEL SUPERCONDUCTING MATERIALS-HELIUM
Stanford University

Leahy

Malcolm

TYPE/MONTHS
RECEIVED
AMOUNT

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INITIATE
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TOT AMT

N 36
03/09/92
\$1,849,827

SMITH

92-NE-353

N 36
03/09/92
\$746,243

A

SCHLOSSER

92-NE-354

N 36
04/08/92
\$494,667

SCHLOSSER

92-NE-355

N 12
04/08/92
\$92,791

D

WEINSTOCK

92-NE-356

N 36
04/08/92
\$6,750

A

POMREKE

92-NE-357

N 01
07/08/92
\$314,220

A

WITT

92-NE-358

N 36
24/08/92
\$333,137

CRAIG

92-NE-359

R 12
24/08/92
\$217,000

A

BARKER

92-NE-361

N 02
25/08/92
\$17,500

A

WEINSTOCK

92-NE-362

\$220,000
01/01/93
\$660,000

\$217,755
01/02/93
\$217,755

\$17,500
17/07/92
\$17,500

\$6,750
20/08/92
\$6,750

\$99,899
01/12/92
\$314,220

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PROPOSAL # | INITIATE
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TOT AMT |
|--|---|-----------------------------------|---|-----------------------------------|
| LOW NOISE ELECTRONIC SIGNAL CHARACTERIZATION AND EXPERIMENTS | Jones
North Carolina Central University | N 36
26/08/92
\$993,932 | SCHLOSSBER
92-NE-363 | |
| RESEARCH IN X-RAY NONLINEAR OPTICS AND SINGLE PARTICLES APPLICATIONS | Kidlon
Johns Hopkins University | N 36
26/08/92
\$496,684 | SCHLOSSBER
92-NE-364 | |
| SYSTEM DESIGN AND ARCHITECTURE OF OPTOELECTRONIC SMART NETWORKS | Fouad
Univ of North Carolina | N 36
31/08/92
\$48,000 | CRAIG
92-NE-365 | |
| MOLECULAR INTERACTIONS AND PROPERTIES WITH MANY-BODY METHODS | Rodney
Univ of Florida | 2 36
31/09/92
\$453,068 | KELLEY
92-NE-366 | |
| JOINT SERVICES ELECTRONICS PROGRAMS SUPPORT ON THE BASIC RESEARCH PROGRAM OF THE ELECTRONICS RESEARCH LABORATORY | Chenming
Univ of California, Berkeley | N 36
03/09/92
\$2,911,423 | SMITH
92-NE-367 | |
| STRUCTURAL INVESTIGATIONS ON LOW-TEMPERATURE GROWTH HTE SEMICONDUCTION LAYERS | A
Lawrence Berkeley Laboratory | N 36
15/09/92
\$598,637 | WITT
92-NE-368 | |
| 1993 GORDON RESEARCH CONFERENCE ON SUPERCONDUCTIVITY | Alexander
Corion Research Conferences Inc | N 12
15/09/92
15,000 | D
WEINSTOCK
92-NE-369 | |
| MICROWAVE EMISSION FROM RELATIVISTIC ELECTRON BEAMS | George
Massachusetts Institute of Technology | 9 12
15/09/92
\$90,000 | A
BARKER
92-NE-370 | \$90,000
01/01/93
\$90,000 |
| EXPERIMENTAL INVESTIGATION OF LARGE-SCALE INDUCTIVE DISCHARGE PLASMA GENERATORS FOR MICROWAVE APPLICATION | Edward
Univ of California, Berkeley | N 24
23/09/92
\$368,102 | BARKER
92-NE-371 | |

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TOT AMT |
|---|--------------------|-----------------------------------|---|------------------------------------|
| ANALYSIS AND ACOUSTIC MECHANISM OF
THE FATIGUE PROCESS IN METALS
Illinois Institute of Technology | Burdinick | N 36
24/09/92
\$420,558 | A
WEINSTOCK
92-NE-372 | \$134,938
01/01/92
\$420,558 |
| ANTI-PROTON-INDUCED MICROFISSION
Pennsylvania State University | Smith
Gerald | N 12
28/09/92
\$210,000 | KELLEY
92-NE-373 | |
| COHERENT PROCESSES IN ONE- AND TWO-ELECTRON ATOMS IN STRONG
RADIATION FIELDS
Univ of Maryland | McIlrath
Thomas | N 12
30/09/92
\$110,200 | KELLEY
92-NE-374 | |

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| NEW OF ACUTE, ISOLATED LOOP AND THAT IMITATES CHANGES IN SYSTEMIC
BLOOD PRESSURES UNDER INCREASED GRAVITATION LOADS/CONSC BAROONS
Armstrong Laboratory | David | N 06
31/07/92
\$26,064 | A
BOLAND
92-NI-044 | \$2,172
15/09/92
\$26,064 |
| | Self | | | |
| SPACETIME PHYSICS
California Institute of Technology | Murray | N 12
12/08/92
\$175,091 | A
BOLAND
92-NI-045 | \$14,709
01/09/92
\$14,709 |
| | Bill-mann | | | |
| DEVELOPMENT OF ACUTE, ISOLATED LOOP PREP THAT IMITATES CHANGES SYSTEMIC
BLOOD PRESSURES UNDER INCREASED GRAVITATION LOADS IN CONSCIOUS BAROON
Armstrong Laboratory | David | N 06
01/09/92
\$23,892 | A
BOLAND
92-NI-046 | \$23,892
01/10/92
\$23,892 |
| | Self | | | |
| SPACETIME PHYSICS
California Institute of Technology | Murray | N 03
04/09/92
\$160,382 | A
BOLAND
92-NI-047 | \$44,594
01/10/92
\$5,722 |
| | Bill-mann | | | |
| ADAPTABLE METEOROLOGICAL DISCONTINUED SYSTEMS
Syriacus University | Gary | N 09
13/09/92
\$68,353 | A
BOLAND
92-NI-048 | \$68,353
01/10/92
\$68,353 |
| | Self | | | |
| INVESTIGATIONS INTO GROUP SUPPORT TECHNOLOGY
West Virginia University | Michael | N 10
22/09/92
\$70,533 | A
BOLAND
92-NI-049 | \$70,533
01/10/92
\$70,533 |
| | Self | | | |
| SIMULATING SELF MOTION IN VIRTUAL ENVIRONMENTS: PSYCHOPHYSICAL AND
CONTROL THEORETIC IMPLICATIONS FOR RESEARCH AND DESIGN
Univ of Illinois | Gary | N 11
23/09/92
\$43,822 | A
BOLAND
92-NI-050 | \$43,822
01/10/92
\$43,822 |
| | Ricco | | | |

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|---|--------------|-----------------------------------|---|-----------------------------------|
| COMMITTEE ON BIOETHICS
National Academy of Sciences | William | N 12
02/07/92
\$15,000 | A
DICKINSON
92-NL-218 | \$15,000
01/10/92
\$15,000 |
| COMPUTATIONAL MODELING OF CONTAMINANT TRANSPORT AND BIOGRADIATION
LABORATORY FOR FIELD DATA
Univ of Minnesota | Walter | N 24
06/07/92
\$127,010 | BERRY
92-NL-219 | |
| SELF-CONSISTENT EFFECTS OF MAGNETOSPHERIC HYDROMAGNETIC WAVES ON
RING CURRENT IONS
Barnabooth College | Mary | N 36
07/07/92
\$235,045 | A
RADOSKI
92-NL-220 | \$93,970
01/01/93
\$295,045 |
| SPARSE DISTRIBUTED CODING OF NATURAL SCENES
Cornell University | David | N 36
10/07/92
\$193,501 | TANGNEY
92-NL-221 | |
| PERCEPTION FOR TELL-AUTONOMOUS SYSTEMS
Univ of Utah | William | N 48
13/07/92
\$3,276,110 | TANGNEY
92-NL-222 | |
| ADAPTIVE INFORMATION TRANSFER IN MAN/MACHINE SYSTEMS
Univ of Michigan | Yorta | N 48
13/07/92
\$1,307,996 | TANGNEY
92-NL-223 | |
| FROM NEURONS TO NETWORKS: INTEGRATIVE ASPECTS OF RECIPROCAL
ACTION-CONTROL PATHWAYS IN OPTIC VISION
Univ of Mass Medical Center | Daniel | N 48
13/07/92
\$2,932,113 | TANGNEY
92-NL-224 | |
| COMMUNICATING SITUATION AWARENESS IN VIRTUAL ENVIRONMENTS
Univ of Washington | Thomas | N 48
13/07/92
\$3,983,529 | TANGNEY
92-NL-225 | |
| NEARLY SUPERVISED IMAGE UNDERSTANDING AND REGISTRATION USING AN
INTELLIGENT MULTIMODAL INTERFACE
State University of New York | David | N 48
13/07/92
\$3,241,737 | TANGNEY
92-NL-226 | |

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|---|----------------------|-----------------------------------|---|-----------------------------------|
| CONTRACT FOR NEUROSYSTEMS RESEARCH
Rockefeller University | Silbert
Charles | N 48
14/07/92
\$3,371,716 | TANGNEY
92-NL-227 | |
| RENEWAL OF A UNIV RESEARCH INITIATIVE TO SUPPORT A BOSTON-AREA
CONSORTIUM FOR RES ON HUMAN & COMPUTATIONAL SENSORY PROCESSING
Boston University | Stephen
Grossberg | N 48
14/07/92
\$3,856,594 | TANGNEY
92-NL-228 | |
| A NEURAL-KNOWLEDGE BASE AND A DECISION MAKER-PLANNER FOR REAL-TIME
MODELING & NAVIGATION OF AUTONOMOUS MOVING PLATFORMS IN 3-D WIDE
Area University of New York | Nikolaos
Joufakis | N 48
14/07/92
\$3,197,997 | TANGNEY
92-NL-229 | |
| ADAPTIVE EXPLORATORY SYSTEM ENHANCED BY ULTRAFAST TECHNOLOGY
Consensation Polytechnic Institute | Richard
Park | N 48
14/07/92
\$3,040,743 | TANGNEY
92-NL-230 | |
| JOHN HOPKINS SENSORY ENGINEERING PROGRAM
Johns Hopkins University | Kenneth
Johnson | N 48
14/07/92
\$3,966,099 | TANGNEY
92-NL-231 | |
| HUMAN AND COMPUTATIONAL SENSORY PROCESSING
Univ of Rochester | Robert
Chadman | N 48
14/07/92
\$3,030,998 | TANGNEY
92-NL-232 | |
| NEUROBIOLOGICAL MODELING FOR ENHANCED DETECTION AND RECOGNITION OF
MICROHAZE TARGETS
Univ of Pennsylvania | Bernard
Steinberg | N 36
14/07/92
\$1,089,902 | TANGNEY
92-NL-233 | |
| LOCAL SPATIO-TEMPORAL ANALYSIS IN VISION SYSTEMS
Univ of Texas | Wilson
Geisler | N 48
14/07/92
\$3,539,472 | TANGNEY
92-NL-234 | |
| INTERACTIVE TETHERLESS MOBILE ROBOTICS
Harvard University | Roger
Pickett | N 48
14/07/92
\$2,776,830 | TANGNEY
92-NL-235 | |

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| ACQUA INFORMATION PROCESSING: VISUAL PERCEPTIVE INTERACTION OF
HYPERACUITY IN THE EYE OF THE FLY
Univ of New Mexico | Conohue | N 24
14/07/92
\$564,445 | TANGNEY
92-NL-236 | |
| TESTED FOR VIRTUAL ENVIRONMENTS AND REMOTE INTERACTION WITH SEMI-
AUTONOMOUS SYSTEMS
Georgia Institute of Tech | Alford | N 48
14/07/92
\$2,851,217 | TANGNEY
92-NL-237 | |
| MULTIDIMENSIONAL EVALUATION OF DISPLAYS AND CONTROL IN VIRTUAL
ENVIRONMENTS
Univ of California, Santa Cruz | Bridgeman | N 48
14/07/92
\$3,772,966 | TANGNEY
92-NL-238 | |
| VISION-BASED ADAPTIVE EXPLORATION AND OBJECT RECOGNITION
Yale University | Acunmott | N 48
15/07/92
\$2,767,434 | TANGNEY
92-NL-239 | |
| UNIVERSITY RESEARCH INITIATIVE IN HUMAN AND COMPUTATIONAL SENSORY
PROCESSING
Univ of Central Florida | Shah | N 48
15/07/92
\$2,795,739 | TANGNEY
92-NL-240 | |
| USER & SYSTEM MODELS FOR DESIGN & EVALUATION OF SYSTEMS FOR THE
SENSING & INTERPRETATION OF COMPLEX VIRTUAL ENVIRONMENTS
Syracuse Univ - Dept Elec & Computer Eng | Michael | N 48
15/07/92
\$3,392,609 | TANGNEY
92-NL-241 | |
| FLEXIBLE ROBOTIC REPAIR
Tufts University | Schnolze | N 48
15/07/92
\$3,063,324 | TANGNEY
92-NL-242 | |
| HUMAN PERCEPTION IN VIRTUAL ENVIRONMENTS
Georgia Institute of Tech | Davis | N 48
15/07/92
\$2,256,049 | TANGNEY
92-NL-243 | |
| THE COMPUTATIONAL BASIS OF VISUAL STABILITY, RECOGNITION AND
LEARNING
Syracuse Univ - Dept Elec & Computer Eng | Davis | N 48
15/07/92
\$3,953,061 | TANGNEY
92-NL-244 | |

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| LARGE DATABASE AND COMPUTER SIMULATION ENVIRONMENT FOR BRAIN RESEARCH
Univ of California, Los Angeles | Smyrnok | N 48
15/07/92
\$3,571,022 | TANGNEY
92-NL-245 | |
| CENTER FOR AUGMENTING SENSORY PROCESSING
Univ of Central Florida | Clark | N 48
16/07/92
\$2,250,165 | TANGNEY
92-NL-246 | |
| A GLOBAL MODEL FOR HUMAN AND MACHINE VISION
Univ of California, Berkeley | Glisser | N 48
16/07/92
\$3,983,488 | TANGNEY
92-NL-247 | |
| ANALOG VLSI BASED OCULO-MOTOR SYSTEM
California Institute of Technology | Koch | N 48
16/07/92
\$3,970,612 | TANGNEY
92-NL-248 | |
| VISUAL PROCESSING BY MAN AND MACHINES: FROM LOW-LEVEL VISION TO NAVIGATION AND OBJECT PERCEPTION
Univ of California, Berkeley | Malik | N 48
16/07/92
\$4,000,000 | TANGNEY
92-NL-249 | |
| POSTURE-BASED MOTION PLANNING
Univ of Massachusetts | Rosenbaum | N 48
16/07/92
\$2,966,162 | TANGNEY
92-NL-250 | |
| CENTER FOR THE COMPUTATIONAL AND NEURO-BIOLOGICAL STUDY OF VISION
Univ of Southern California | Irving | N 36
16/07/92
\$2,756,363 | TANGNEY
92-NL-251 | |
| EVALUATION OF NITROGEN OXIDES AND MICROWAVE RADIATION EFFECTS ON M ACROPHAGES BY DIGITAL IMAGE PROCESSING
Univ of Arizona | Olson | N 36
17/07/92
\$247,232 | HADDAD
92-NL-252 | |
| INVOLVING NEUROMORPHIC AUTOMATA FOR CAPTURING MANEUVERING TARGETS IN A COMPLEX ENVIRONMENT
Univ of Delaware | Liss | N 48
21/07/92
\$2,654,593 | TANGNEY
92-NL-253 | |

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| INTERPERSONAL ATTENTION FOR DESIGN WITH RECOGNITION | Keyser | N 48
21/07/92
\$1,739,144 | TANGNEY
92-NL-254 | |
| Oradel University | Alexander | | | |
| CONTROL OF EYE, HAND AND LIMB MOVEMENTS USING ACTIVE, ATTENTIONAL VISION | Sandon | N 48
21/07/92
\$2,903,385 | TANGNEY
92-NL-255 | |
| Bartmouth College | Peter | | | |
| DISCRIMINATING UNDERGROUND EXPLOSIONS FROM EARTHQUAKES USING SEISMIC CODA WAVES | AKI | N 24
22/07/92
\$197,018 | A
DICKINSON
92-NL-256 | \$96,263
01/11/92
\$197,018 |
| Univ of Southern California | Kelita | | | |
| RETRIEVAL AND STORAGE CONSEQUENCES OF WORKING MEMORY LIMITATIONS | Engle | N 36
28/07/92
\$228,039 | A
TANGNEY
92-NL-257 | |
| Univ of South Carolina | Randall | | | |
| INTEGRATING MULTIPLE SOURCES OF INFORMATION FOR DEPTH: MULTIDIMENSIONAL SOLUTIONS | Postain | N 48
28/07/92
\$626,789 | A
TANGNEY
92-NL-258 | |
| Univ of Wisconsin | William | | | |
| MENTAL REPRESENTATION OF SHAPE | Pizlo | N 36
31/07/92
\$267,738 | TANGNEY
92-NL-259 | |
| Purdue Research Foundation | Zygmunt | | | |
| SIZE DISTRIBUTION AND PROPERTIES OF SUBMICRON AEROSOL AGGLOMERATES | Friedlander | N 36
04/08/92
\$298,145 | STOBIE
92-NL-260 | |
| Univ of California, Los Angeles | Sheldon | | | |
| AUDITORY SCENE ANALYSIS: THE PERCEPTUAL ORGANIZATION OF SOUND IN HUMAN LISTENERS | Spedman | N 36
12/08/92
\$447,479 | TANGNEY
92-NL-261 | |
| AcSill University | Albert | | | |
| LINKING PSYCHOPHYSICS, NEUROPHYSIOLOGY AND COMPUTATIONAL VISION: STEREOPSIS, MOTION, TEXTURE AND ATTENTION | Pinathomas | N 12
12/08/92
\$5,000 | TANGNEY
92-NL-262 | |
| Univ of The State University | Thomas | | | |

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| TARGET DETECTION BY DIFFERENT TYPES OF CORRELATING BACKGROUND AN
D APPLICATIONS TO MACHINE VISION
Nano Tech Services | Teri
Lifton | N 36
17/08/92
\$399,000 | TANGNEY
92-NL-263 | |
| VISUAL IMAGE PROCESSING IN TEXTURE SEGREGATION
Univ of Oregon | Jacob
Beck | N 36
17/08/92
\$306,019 | A
TANGNEY
92-NL-264 | |
| GRAVITY WAVES AND CONVECTION IN THE ATMOSPHERE
JASS - Goddard Space Flight Center | Franco
Cinaudi | N 12
19/08/92
\$118,650 | A
STOBIE
92-NL-265 | \$118,650
01/10/92
\$118,650 |
| NEURAL MECHANISMS OF ATTENTION: ROLE OF THE FRONTAL CORTX AND 9AS
AL CORREARIN CHOLINERGIC SYSTEM
Johns Hopkins University | David
Olton | R 36
21/08/92
\$545,186 | TANGNEY
92-NL-266 | |
| STIMULUS IDENTIFICATION AND FEATURE EXTRACTION IN A CRUSTACEAN OLF
FACTORY SYSTEM
Univ of Virginia | Doreen
Mallon | N 36
25/08/92
\$325,847 | D
TANGNEY
92-NL-267 | |
| COMBINING INFORMATION IN PROBLEM SOLVING
San Diego State University Foundation | Stephen
Reed | N 36
26/08/92
\$260,941 | TANGNEY
92-NL-268 | |
| VIEW-BASED STRATEGIES FOR FORM & MOTION FUSION IN OBJECT RECOGNITI
ON AND POINT EXPLOATION: A NATURAL SYSTEMS APPROACH
MIT -- Lincoln Lab | Allen
Wexman | N 36
27/08/92
\$608,459 | TANGNEY
92-NL-269 | |
| A PARALLEL PROCESSING HYPOTHESIS FOR SHORT-TERM AND LONG-TERM MEMO
RY IN APLYSIA
Yale University | Thomas
Carson | N 36
08/09/92
\$582,639 | HADDAD
92-NL-270 | |
| EXPERIMENTAL INVESTIGATION OF THE USE OF HIGH POWER MICROWAVES TO
TRIGGER LIGHTNING DISCHARGES IN THE ATMOSPHERE
Univ of Maryland | William
Dastler | N 36
08/09/92
\$404,411 | STOBIE
92-NL-271 | |

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| COGNITIVE PERCEPTION AND PROCESSING OF VISUAL INFORMATION | David | N 36
08/09/92
\$397,751 | HADDAD
92-NL-272 | |
| UNIVERSITY OF Rochester | | | | \$156,287
01/12/92
\$319,636 |
| FINITE-ELEMENT MODELING OF THE BLOCKAGE AND SCATTERING OF ULTRA-SONIC WAVES | Yu-chiung | N 24
09/09/92
\$319,636 | A
DICKINSON
92-NL-273 | |
| Columbia University | | | | |
| INDUCED PICTORIAL REPRESENTATIONS | Tong | R 36
10/09/92
\$271,393 | TANGNEY
92-NL-274 | |
| Stanford University | | | | |
| TRACKING MOVING TARGETS WITH ATTENTION | Cavanagh | N 36
10/09/92
\$433,041 | TANGNEY
92-NL-275 | |
| Harvard University | | | | |
| THE ORGANIZATION OF THE SUPPLEMENTARY DISCRIMINATORY INFORMATION OF THE
AT AND ITS MODULATION BY NEUROTRANSMITTERS AND MODULATORS | Martha | N 36
22/09/92
\$637,134 | HADDAD
92-NL-276 | |
| Univ of Illinois | | | | |
| EMPIRICAL ANALYSIS AND NEURAL NETWORK MODELING OF STRUCTURAL DESCRIPTIONS IN VISUAL SHAPE CLASSIFICATION | John | N 60
29/09/92
\$658,834 | TANGNEY
92-NL-277 | |
| Univ of California, Los Angeles | | | | |
| MENTAL REPRESENTATIONS OF SPATIAL AND NONSPATIAL RELATIONS | McNamara | N 36
23/09/92
\$233,663 | TANGNEY
92-NL-278 | |
| Vanderbilt University | | | | |
| CORTICAL MECHANISMS OF ATTENTION, DISCRIMINATION, AND MOTOR RESPONSE TO COMPLEX STIMULI | John | N 36
28/09/92
\$530,691 | HADDAD
92-NL-279 | |
| Yannemann University | | | | |

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| WAVELENGTH DEPENDENT SCATTERING: ANALYTICAL METHODS | Ingber | N 36
01/07/92
\$386,605 | SUDDARTH
92-NM-392 | |
| JOINT DEPENDENCIES | Ingber | N 36
01/07/92
\$259,561 | NACHMAN
92-NM-393 | |
| INVESTIGATION OF THE CONTINUOUS RELATION SPECTRUM FOR PLANAR OPEN-BOUNDARY WAVES | Dennis | N 12
01/07/92
\$40,309 | NACHMAN
92-NM-394 | |
| STURM SYMPLOSIS: NONLINEAR STABILITY OF NONPARALLEL FLOWS | Sung | N 26
01/07/92
\$315,306 | GLASSMAN
92-NM-395 | \$155,603
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\$486,133 |
| ALGORITHMS FOR LARGE-SCALE OPTIMIZATION | Murray | R 36
01/07/92
\$595,021 | SJOGREN
92-NM-396 | |
| OPTIMIZATION PROBLEMS IN COMPUTER VISION | Rosenfeld | N 36
01/07/92
\$329,719 | SUDDARTH
92-NM-397 | |
| ANALYSIS OF VARIANTS | Todd | N 36
01/07/92
\$346,951 | SUDDARTH
92-NM-399 | |
| STOCHASTIC LEARNING DYNAMICS: A NONLINEAR DIMENSION | von der Waltburg | R 36
01/07/92
\$157,282 | SJOGREN
92-NM-400 | \$52,743
01/12/92
\$167,282 |
| COMPUTING WITH STOCHASTIC SIGNALS | Steinhardt | N 36
03/07/92
\$256,308 | SUDDARTH
92-NM-401 | |
| ENHANCED CONVERGENCE ADAPTIVE DETECTION(CSP/23453) | Allan | | | |
| EFFICIENT & ACCURATE DETECTION METHODS FOR LARGE SCALE PROBLEMS | Zoran | | | |

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| STATISTICAL TECHNIQUES FOR SIGNAL PROCESSING | Cassan | R 24
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\$89,000 | SJOGREN
92-NM-402 | |
| ENVIRONMENTAL EFFECTS OF SIGNAL PROCESSING | Cassan | N 36
08/07/92
\$290,204 | JACOBS
92-NM-403 | |
| ACTIVE CONTROL OF SURGE AND STALL IN AXIAL FLOW COMPRESSORS | Sydd | R 36
08/07/92
\$241,452 | SUDDARTH
92-NM-404 | |
| ANALYSIS OF THE EFFECTS OF TRANSPARENT, OPTICALLY HETEROGENEOUS ELECTROMAGNETIC RADIATION USING REALIST MODELS OF HUMANS | Daniel | N 12
03/07/92
\$44,968 | NACHMAN
92-NM-405 | |
| AN APPROACH TO MULTIDIMENSIONAL INVARIANT IMAGING TECHNIQUES FOR INVERSE SCATTERING OF ELECTROMAGNETIC WAVES | David | N 12
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\$76,717 | NACHMAN
92-NM-406 | |
| STOCHASTIC NETWORK PROCESSES | Paul | R 12
09/07/92
\$51,628 | A
SJOGREN
92-NM-407 | \$51,628
01/11/92
\$51,628 |
| STOCHASTIC NETWORK PROCESSES | Richard | N 36
09/07/92
\$565,027 | A
GLASSMAN
92-NM-408 | \$130,074
01/11/92
\$405,503 |
| PHYSICAL INTELLIGENCE METHODOLOGIES IN AIR TRANSPORTATION NETWORK ROUTING & SCHEDULING | Mark | N 36
08/07/92
\$1,534,693 | JACOBS
92-NM-409 | |
| (MURI) SMART OPTO-MECHANIC POLYMER ACTUATORS AND TELESCOPES | Mark | N 36
08/07/92
\$223,253 | JACOBS
92-NM-410 | |
| (MURI) OPTICAL PROPERTIES OF FLUORIDE GLASSES USEFUL FOR LASER | Donald | | | |

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|---|--------------|-----------------------------------|---|-----------------------------------|
| CMU(1) FILLED OPTIC FIBER SENSOR FOR REMOTE MONITORING | Vonolts | N 36
08/07/92
\$2,814,222 | JACOBS
92-NM-411 | |
| Campton Institute | | | | |
| CMU(2) OPTICAL CONSTANTS OF POLYMERS | James | N 36
09/07/92
\$214,018 | JACOBS
92-NM-412 | |
| Univ of Alabama | | | | |
| CMU(3) INTEGRATED SYSTEMS APPROACH FOR SUPERMANEUVERABLE FLIGHT
OF A DELTA WING | Anjaneyulu | N 36
09/07/92
\$1,870,464 | JACOBS
92-NM-414 | |
| Florida State University | | | | |
| CMU(4) NONLINEAR DISTRIBUTED ADAPTIVE CONTROL OF HIGH PERFORMANCE
AEROSPACE | Ronald | N 36
09/07/92
\$2,970,516 | JACOBS
92-NM-415 | |
| Princeton State University | | | | |
| HIGH SPEED VARIABLE SOURCES AND MODULATORS | George | N 36
09/07/92
\$2,162,429 | JACOBS
92-NM-416 | |
| Arizona State University | | | | |
| CMU(5) INTEGRATED SENSOR, ACTUATOR & CONTROL SYSTEMS FOR
PERFORMANCE ENHANCEMENT OF FLIGHT VEHICLES | Leonard | N 36
09/07/92
\$2,345,550 | JACOBS
92-NM-417 | |
| Virginia Polytechnic Inst & State Univ | | | | |
| CMU(6) MICROELECTROMECHANICAL/OPTOELECTRONIC SPECTROMETER FOR
CONTROL OF COMBUSTION PROCESSES IN ENGINES | T. | N 36
09/07/92
\$3,277,655 | JACOBS
92-NM-418 | |
| University of Illinois | | | | |
| FEEDBACK CONTROL OF FLOW OVER HIGH-PERFORMANCE FLIGHT VEHICLES | N. Harris | N 36
09/07/92
\$2,837,452 | JACOBS
92-NM-419 | |
| Univ of Michigan | | | | |
| CMU(7) CONTROL OF DYNAMIC AERODYNAMIC & STRUCTURAL SYSTEMS | Earl | N 36
09/07/92
\$3,646,588 | JACOBS
92-NM-420 | |
| Duke University | | | | |

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| (MURD) NON-LOCAL CONTROL FOR OPTIMAL DESIGN AND CONTROL OF
DISTRIBUTED PARAMETER SYSTEMS
Air Force Polytechnic Inst & State Univ | Jurns | N 36
09/07/92
\$4,173,703 | JACOBS
92-NM-421 | |
| (MURD) RESEARCH ON MULTIPLE CONTROL AND MICROELECTROMECHANICAL
SYSTEMS FOR HIGH-PERFORMANCE FLIGHT
Univ of California, Berkeley | White | N 36
09/07/92
\$4,245,301 | JACOBS
92-NM-422 | |
| (MURD) DEVELOP A SYSTEM TO AUTOMATICALLY DESIGN INSTRUCTION SET
ARCHITECTURE
Univ of Southern California | Deshain | N 36
09/07/92
\$1,553,760 | JACOBS
92-NM-423 | |
| ADAPTIVE, NONLINEAR, AUTO-CONTROL IN SENSOR-ACTUATOR TECHNOLOGY
FOR AERONAUTICAL AND ROBOTICS SYSTEMS
Univ of Missouri | Avula | N 36
09/07/92
\$471,304 | JACOBS
92-NM-424 | |
| (MURD) ROBUST CONTROL OF CONDUCTION & OTHER NONLINEAR SYSTEMS
California Institute of Technology | Jayle | N 36
09/07/92
\$3,118,035 | JACOBS
92-NM-425 | |
| (MURD) CONTROL OF NONLINEAR DISTRIBUTED PARAMETER SYSTEMS
Washington University | Byrnes | N 36
10/07/92
\$4,296,974 | JACOBS
92-NM-426 | |
| (MURD) INTEGRATED MICROTRANSDUCER & NEURAL NETWORK SYSTEMS FOR
DISTRIBUTED CONTROL
Univ of California, Los Angeles | da | N 36
10/07/92
\$3,872,461 | JACOBS
92-NM-427 | |
| (MURD) ADVANCED SENSORS VIA HIGH PERFORMANCE MICRO ELECTRO
MECHANICAL SYSTEMS (MEMS) TECHNOLOGY
Univ of Wisconsin | Guckel | N 36
10/07/92
\$4,000,000 | JACOBS
92-NM-429 | |
| (MURD) NONLINEAR ADAPTIVE CONTROL UTILIZING OPTICAL AND MICRO
SENSORS IN TUNNELING AND SEPARATED FLUIDS AT HIGH FREQUENCIES
Illinois Institute of Technology | Hassan | N 36
10/07/92
\$2,300,000 | JACOBS
92-NM-430 | |

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| (MURI) ACTIVE CONTROL OF TURBULENT BURNING RATE | Joseph | N 36
10/07/92
\$3,642,686 | JACOBS
92-NM-431 | |
| Univ of Utah | Slawicki | | | |
| (MURI) INTELLIGENT DISTRIBUTED ELECTROSTATIC SENSING AND
PROCESSING FOR AIR FLOW CONTROL | Benner | N 36
10/07/92
\$3,924,456 | JACOBS
92-NM-432 | |
| Univ of California San Diego | Sadik | | | |
| (MURI) MULTIDISCIPLINARY RESEARCH IN COUPLED FLUID/STRUCTURE/
CONTROL INTERACTION | Pruefer | N 36
10/07/92
\$4,035,102 | JACOBS
92-NM-433 | |
| Massachusetts Institute of Technology | Kenneth | | | |
| (MURI) A WALKING POLYMER MICROBOT WITH PIEZOELECTRIC ACTUATION | Salts | N 36
10/07/92
\$603,404 | JACOBS
92-NM-434 | |
| MIT
Boston University | Johannes | | | |
| (MURI) IMPLEMENTATION OF MODELING & ROBUST CONTROL DESIGN FOR
NONLINEAR ACTUATION | Robert | N 36
10/07/92
\$1,446,390 | JACOBS
92-NM-436 | |
| Univ of Virginia | | | | |
| (MURI) ACTIVELY DEFORMABLE SURFACE WITH MICROHYDRAULIC ACTUATION | Wood | N 36
10/07/92
\$2,359,104 | JACOBS
92-NM-437 | |
| Univ of Texas | Kristin | | | |
| (MURI) INTEGRATED CONTROL OF NONLINEAR DISTRIBUTED PARAMETER
HYDROELASTIC SYSTEMS USING ADAPTIVE MATERIALS | Leissner | N 36
10/07/92
\$2,391,073 | JACOBS
92-NM-438 | |
| Univ of Research Foundation | Terrence | | | |
| (MURI) OPTO-ELECTRO-MECHANICAL DEVICES & SMART SKINS | Imagud | N 36
13/07/92
\$2,345,178 | JACOBS
92-NM-439 | |
| Georgia Institute of Tech | Sathya | | | |
| (MURI) MICROSCALE FLUID-STRUCTURE INTERACTIONS | Pruefer | N 36
13/07/92
\$2,646,541 | JACOBS
92-NM-440 | |
| Massachusetts Institute of Technology | Kenneth | | | |

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| INFORMATION THEORETIC APPROACH TO DISTRIBUTED SENSING AND
LEARNING
California Institute of Technology | Goodman | N 36
13/07/92
\$147,637 | A
SUDDARTH
92-NM-441 | \$146,899
30/09/92
\$147,637 |
| THEORETICAL & EXPERIMENTAL STUDIES OF ADVANCED SENSING,
ACTUATION, & CONTROL OF COMBUSTION PROCESSES
Univ of Cincinnati | Walker | N 36
13/07/92
\$3,305,641 | JACOBS
92-NM-442 | |
| ADAPTIVE CONTROLLERS FOR NONLINEAR DISTRIBUTED PARAMETER
SYSTEMS
Univ of California, Irvine | Stubbard | N 36
13/07/92
\$1,850,280 | JACOBS
92-NM-443 | |
| INTERDISCIPLINARY ORDER REDUCTION TECHNOLOGIES FOR
HIGH-PERFORMANCE COMPUTING
Univ of New Mexico | Aush | N 36
13/07/92
\$4,067,334 | JACOBS
92-NM-444 | |
| MODELLING & SHAPE CONTROL OF SMART STRUCTURES
Brook University | Forouz | N 36
13/07/92
\$785,193 | JACOBS
92-NM-445 | |
| INTEGRATED SMART SKIN SYSTEM (ISS) FOR PANEL FLUTTER
SUPPRESSION
Old Dominion University | Huang | N 36
13/07/92
\$2,299,625 | JACOBS
92-NM-446 | |
| INTEGRATED SENSOR, ACTUATOR, AND CONTROL STUDIES FOR
NONLINEAR DISTRIBUTED PARAMETER SYSTEMS
York University | John | N 36
13/07/92
\$4,000,000 | JACOBS
92-NM-447 | |
| DEVELOPMENT OF A COMPLETE INTEGRATED MICROELECTROMECHANICAL
FABRICATION TECHNOLOGY BASED ON FERROELECTRIC THIN FILMS
Univ of Minnesota | Arthur | N 36
13/07/92
\$3,487,613 | JACOBS
92-NM-448 | |
| MODEL-BASED AUTOMATIC TARGET RECOGNITION
Air Force Wright Laboratories | Vincent | N 12
13/07/92
\$125,000 | A
WAKSHAM
92-NM-449 | |

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| COMPUTER STRATEGIES, SENSORS, AND ALGORITHMS FOR BOUNDARY
LAYER FEEDBACK CONTROL
UNIV OF PENNSYLVANIA | HAHM | N 36
14/07/92
\$399,839 | JACOBS
92-NM-450 | |
| CHURCH LARSEN, DISTRIBUTED CONTROL SYSTEMS USING OPTOELECTRONIC
COMPUTING AND SENSING
UNIV OF COLORADO | John | N 36
14/07/92
\$3,094,299 | JACOBS
92-NM-451 | |
| CHURCH INTEGRATED FLIGHT CONTROL 2000
State University of New York | Tom | N 36
14/07/92
\$1,305,456 | JACOBS
92-NM-452 | |
| CHURCH THE MODELING & CONTROL OF NONLINEAR DISTRIBUTED PARAMETER
APPLICATED FLUX STRUCTURES/NO VARIABLES AND HYPERBOLIC JET ENGINES
UNIV OF CALIFORNIA, SANTA BARBARA | Ray | N 36
14/07/92
\$3,619,301 | JACOBS
92-NM-453 | |
| CHURCH REMOTE SPECTROSCOPIC SENSORS FOR COMBUSTION CONTROL
UNIV OF ILLINOIS | Hadis | N 36
14/07/92
\$2,696,583 | JACOBS
92-NM-454 | |
| CHURCH A MULTI-DISCIPLINARY APPROACH TO ACTIVELY CONTROLLED
HIGH-PERFORMANCE WINGS
UNIV OF WASHINGTON | Uy-Loi | N 36
13/07/92
\$2,160,120 | JACOBS
92-NM-455 | |
| STATISTICAL INTERFACE FOR CHAOTIC SIGNAL IN NOISE
UNIV OF RHODE ISLAND | Steven | N 24
16/07/92
\$91,085 | A
SJOGREN
92-NM-456 | \$44,841
01/10/92
\$91,085 |
| NONLINEAR METHODS FOR IMAGE AND SIGNAL PROCESSING
UNIV OF SOUTH CAROLINA | Ronald | N 36
16/07/92
\$132,338 | SJOGREN
92-NM-457 | |
| HIGH ORDER ACCURACY COMPUTATIONAL METHODS IN AERODYNAMICS USING
PARALLEL ARCHITECTURES
IOWA UNIVERSITY | David | N 36
17/07/92
\$752,468 | JACOBS
92-NM-458 | |

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| INSTITUTE | | | | |
| LONG-TERM OPTIMIZATION ALGORITHMS AND COSTABLE TABLES | Eliahu | R 36
17/07/92
\$504,812 | JACOBS
92-NM-459 | \$102,956
01/10/92
\$102,956 |
| Univ of California Berkeley | | | | |
| RELIABLE COMMUNICATION IN THE PRESENCE OF SEVERE NOISE OF INTERFERENCE | Robert | R 12
17/07/92
\$102,956 | A
GLASSMAN
92-NM-460 | \$99,400
01/10/92
\$99,400 |
| California Institute of Technology | | | | |
| EXPLOITING SPECIAL STRUCTURE IN LARGE-SCALE USAP OPTIMIZATION MODELS | Gordon | N 12
20/07/92
\$99,440 | A
GLASSMAN
92-NM-461 | \$99,400
01/10/92
\$99,400 |
| Naval Post Graduate School | | | | |
| KNOWLEDGE DISCOVERY IN LARGE DATA REPOSITORIES: ALGORITHMS AND EXPERIMENTS | Steven | N 36
22/07/92
\$194,033 | WAKSMAN
92-NM-462 | \$59,933
01/11/92
\$189,019 |
| Johns Hopkins University | | | | |
| SCALE-BASED TECHNIQUES IN SECURE & JAM-ASSISTANT COMMUNICATION SYSTEMS | Douglas | N 36
22/07/92
\$189,019 | A
SJOGREN
92-NM-463 | \$59,933
01/11/92
\$189,019 |
| Arizona State University | | | | |
| 2-LATTICE POLYMER | John | N 12
22/07/92
\$88,760 | GLASSMAN
92-NM-464 | \$200,000
30/09/92
\$627,000 |
| Georgia Institute of Tech | | | | |
| MULTIUNIT RELIABILITY SYSTEMS: OPTIMAL ALLOCATIONS OF RESOURCES, STOCHASTIC PROCESSES AND ASING | Mohe | N 36
22/07/92
\$211,264 | SJOGREN
92-NM-465 | \$200,000
30/09/92
\$627,000 |
| Univ of Arizona | | | | |
| COMPUTATIONAL METHOD FOR INFINITE DIMENSIONAL DYNAMICAL SYSTEMS APPLICATIONS TO FLEXIBLE STRUCTURES AND INCOMPRESSIBLE FLUIDS | J | N 36
27/07/92
\$627,000 | A
JACOBS
92-NM-466 | \$200,000
30/09/92
\$627,000 |
| Stanford University | | | | |
| LECTURE SERIES & RESEARCH CONFERENCE ON GRAPHIC SURFACES | Edward | N 12
29/07/92
\$32,431 | GLASSMAN
92-NM-468 | \$200,000
30/09/92
\$627,000 |
| Johns Hopkins University | | | | |

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| WORKSHOP ON PERTURBATION METHODS IN PHYSICAL MATHEMATICS
Consensler Polytechnic Institute | Cole | N 12
30/07/92
\$29,673 | NACHMAN
92-NM-469 | |
| STABILITY, BIFURCATION, & CONTROL OF DYNAMICAL SYSTEMS
Univ of California, Berkeley | Jarrola | N 24
30/07/92
\$90,000 | NACHMAN
92-NM-470 | |
| COMPUTATION AND THEORY IN NONLINEAR OPTIMIZATION
Univ of Wisconsin | Robinson | R 24
30/07/92
\$119,340 | A
GLASSMAN
92-NM-471 | \$57,397
15/11/92
\$119,340 |
| THE NEXT GENERATION OF SECURITY OF MOBILE ROBOTS: PERSONNEL
DETECTION TECHNIQUES & NAVIGATIONAL INTELLIGENCE
Turbus Research Foundation | Ak | N 24
30/07/92
\$179,998 | WAKSMAN
92-NM-472 | |
| NONLINEAR PREDICTIVE CONTROLS WITH APPLICATION TO AIRCRAFT
Louis State Univ of Science and Tech | Ping | N 24
30/07/92
\$71,137 | JACOBS
92-NM-473 | |
| STOCHASTIC SET PARTITIONING METHODS FOR OPERATIONAL PLANNING OF
AIRCRAFT AND CRAFTS
Princeton University | Powell | N 36
03/08/92
\$394,066 | A
GLASSMAN
92-NM-474 | \$124,993
01/01/93
\$394,066 |
| ADAPTIVE CONTINUATION ALGORITHMS WITH APPLICATION TO COMBUSTION
PROBLEMS
Fair University | Smooke | N 36
04/08/92
\$238,712 | JACOBS
92-NM-475 | |
| OPTIMIZATION OF LINEAR INTEGER PROGRAMS RELATED TO AIRLIFT
OPERATIONS
George Mason University | Hoffman | N 36
04/08/92
\$313,779 | GLASSMAN
92-NM-476 | |
| ASYNCHRONOUS ALGORITHMS: SCALABLE ALGORITHMS FOR MULTIPROCESSORS
Univ of Southern California | Jubotz | N 36
05/08/92
\$335,122 | JACOBS
92-NM-477 | |

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| MATHEMATICAL FRONTIERS IN COMPUTATIONAL CHEMISTRY | | | | |
| National Academy of Sciences | Scott | N 21
05/08/92
\$30,000 | GLASSMAN
92-NM-478 | |
| IFM COMPUTATION TECHNIQUES FOR SHAPE MODELING & DESIGN | | | | |
| Univ of Kentucky | Cheng | N 36
05/08/92
\$350,423 | GLASSMAN
92-NM-479 | |
| ADVANCES IN SIGNAL PROCESSING THROUGH NOVEL TECHNIQUES IN FRACTAL/
WAVELET THEORY, CONVEX OPTIMIZATION, FRACIAL INVERSION AND ... | | | | |
| Clark Atlanta University | Carlos | N 36
05/08/92
\$1,152,286 | NACHMAN
92-NM-480 | |
| DISCRETE OPTIMIZATION ALGORITHM FOR RESOURCE MANAGEMENT IN
PARALLEL AND DISTRIBUTED SYSTEMS | | | | |
| Univ of Massachusetts | Song | N 36
11/09/92
\$526,369 | GLASSMAN
92-NM-481 | |
| RETROSPECTIVE REASONING MODELS FOR MULTISTRATEGY CASE-BASED AND
EXPLANATION-BASED LEARNING | | | | |
| Georgia Institute of Tech | Shain | N 36
11/08/92
\$388,364 | WAKSMAN
92-NM-492 | |
| COMPUTATIONAL AND MATHEMATICAL INVESTIGATION IN OPTIMIZATION | | | | |
| Cornell University | Robert | N 12
13/08/92
\$100,000 | A
GLASSMAN
92-NM-493 | \$100,000
01/10/92
\$100,000 |
| THE JOINT RECOGNITION OF 3D OBJECTS... | | | | |
| Urbel University | Fernand | N 36
17/08/92
\$203,828 | WAKSMAN
92-NM-484 | |
| CONFERENCE ON MATHEMATICAL & NUMERICAL ASPECTS OF WAVE PROPAGATION | | | | |
| Univ of Delaware | Colton | N 05
17/08/92
\$17,557 | NACHMAN
92-NM-485 | |
| TOPICS IN RELIABILITY AND SURVIVAL ANALYSIS | | | | |
| Northern Illinois University | Nadar | N 36
17/08/92
\$121,374 | SJOGREN
92-NM-486 | |

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| AN EXTENSION OF THE CONTINUUM MODEL CASE ON GAS-KINETIC THEORY
OF PARTIALLY HYPERSONIC-FLUID STUDY
Univ of Southern California | Chen | 24
17/08/92
\$253,696 | JACOBSON
92-NM-487 | |
| CATALYTICITY IN NEURAL NETWORK LEARNING & COMPUTATION
Univ of North Texas | Parberry | 36
21/08/92
\$71,569 | SUDDARTH
92-NM-488 | |
| MODELING, MESH GENERATION, & ADAPTIVE NUMERICAL METHODS FOR
PARTIAL DIFFERENTIAL EQUATIONS
Univ of Minnesota | Friedman | 12
21/08/92
\$15,000 | JACOBSON
92-NM-489 | |
| VORTEX BREAKDOWN & HIGH ANGLES OF ATTACK AERODYNAMICS
Pennsylvania Polytechnic Institute | Rusak | 24
21/08/92
\$143,143 | NACHMAN
92-NM-490 | |
| ACCURATE ANALYSIS & COMPUTER AIDED DESIGN OF QUADRUPOLE-RIGGED
FIBERGUIDES & FIBERS
Arizona State University | Sun | 24
25/08/92
\$120,427 | NACHMAN
92-NM-491 | \$142,145
01/01/93
\$427,349 |
| COMMUNICATIONS THROUGH PLASMA SHEATHS: ALTERNATIVE APPROACHES
USING NONLINEAR PROPERTIES OF THE PLASMA
Univ of Arizona | Yewell | 36
25/08/92
\$427,349 | A
NACHMAN
92-NM-492 | |
| ESTIMATION & PREDICTION IN EMERGING DATA STRUCTURES
Univ of California, Berkeley | Jedell | 36
25/08/92
\$187,060 | SJOGREN
92-NM-493 | |
| PARAMETRIC INSTABILITIES IN MECHANICAL SYSTEMS
Univ of California, Berkeley | Knobloch | 36
31/08/92
\$556,147 | NACHMAN
92-NM-494 | |
| THE MATHEMATICAL STUDY OF NONLINEAR SYSTEMS & THEIR APPLICATIONS
TO FERROMAGNETIC PHENOMENA
Howard University | Gill | 36
08/09/92
\$549,699 | NACHMAN
92-NM-495 | |

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|---|--------------|------------|-----------------------------------|---|-----------------------------------|
| ADVANCED RESEARCH INSTITUTE IN ELECTRIC APPLIED MATHEMATICS | | | | | |
| Butters - The State University | | Peter | N 36
08/09/92
\$120,990 | GLASSMAN
92-NM-496 | |
| SEMICONDUCTOR LASER DYNAMICS | | | | | |
| Univ of Arizona | | J. | N 36
08/09/92
\$355,001 | NACHMAN
92-NM-497 | |
| MATHEMATICAL PROBLEMS IN COMBUSTION | | | | | |
| Univ of Illinois | | John | N 36
08/09/92
\$261,356 | A
NACHMAN
92-NM-498 | \$70,886
01/01/93
\$261,356 |
| MULTIVARIATE ANALYSIS AND ITS APPLICATIONS | | | | | |
| Pennsylvania State University | | C. | R 36
10/09/92
\$425,684 | SJOGREN
92-NM-499 | |
| TRANSMISSION DELAYS & CURSING STATISTICAL MECHANICAL NEURAL NETWORK MODELS | | | | | |
| Catholic University of America | | Paul | N 12
15/09/92
\$29,000 | NACHMAN
92-NM-500 | |
| DIELECTRIC RESPONSE TENSOR & COLLECTIVE MODE BEHAVIOR IN STRONG ELECTROLYTE SOLUTIONS | | | | | |
| Univ of Vermont | | Kenneth | N 12
15/09/92
\$97,000 | NACHMAN
92-NM-501 | |
| NEW PHYSICAL MODELS & METHODS FOR SOURCE LOCALIZATION | | | | | |
| Massachusetts Institute of Technology | | Arve | N 36
15/09/92
\$370,361 | SJOGREN
92-NM-502 | |
| EFFICIENT ALGORITHMS AND DATA STRUCTURES IN GEOMETRIC DESIGN | | | | | |
| Purdue University | | Chanderjit | R 36
16/09/92
\$209,925 | GLASSMAN
92-NM-503 | |
| JOURNAL DECOMPOSITION OF REAL-TIME MACHINE LEARNING ARCHITECTURE | | | | | |
| Princeton University | | Allan | N 36
16/09/92
\$317,202 | SUDDARTH
92-NM-504 | |

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TOT AMT |
|--|--------------|-----------------------------------|---|-----------------------------------|
| RAY GENERATION SOLID MODELS FOR ELECTRONIC PROTOTYPING
UNIV of Michigan | Butte | R 12
30/09/92
\$338,463 | GLASSMAN
92-NM-514 | |

Deborah

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TOT AMT |
|---|--------------------------|-----------------------------------|---|------------------------------------|
| STATISTICAL TECHNIQUES FOR IDENTIFICATION & ROBUST CONTROL IN
DISTRIBUTED PARAMETER SYSTEMS
North Carolina State University | Ben
Fitzpatrick | N 24
23/09/92
\$76,834 | JACOBS
92-NM-505 | |
| MANUFACTURING & OPTIMIZATION PROBLEMS OF ELECTROMAGNETIC DEVICES
Clarkson University | Eytan
Jafrouh | N 36
23/09/92
\$750,000 | A
NACHMAN
92-NM-506 | \$250,000
30/11/92
\$750,000 |
| SINGULAR PERTURBATION METHODS FOR NONLINEAR DYNAMICAL SYSTEMS
Southern Methodist University | Richard
Haberman | N 36
23/09/92
\$210,627 | NACHMAN
92-NM-507 | |
| THE ASYMPTOTIC THEORY OF THE REFLECTION & TRANSMISSION OF A PULSED
ELECTROMAGNETIC BEAM FIELD AT A PLANAR INTERFACE SEPARAT. 2 DISP..
Univ of Vermont | Kurt
Oughston | R 09
23/09/92
\$92,259 | NACHMAN
92-NM-508 | |
| DISTRIBUTED DETECTION THEORY & DATA FUSION
Syracuse Univ - Dept Elec & Computer Eng | Pramod
Varshney | N 12
23/09/92
\$61,670 | SJOGREN
92-NM-509 | |
| ULTRA-WIDEBAND ELECTROMAGNETICS
Polytechnic University | Leopold
Felson | N 36
24/09/92
\$411,748 | A
NACHMAN
92-NM-510 | \$132,554
01/01/93
\$411,748 |
| FORMAL METHODS FOR SOFTWARE DEVELOPMENT
Yale Post Graduate School | Ludwig
Suddarth | N 24
29/09/92
\$25,000 | SUDDARTH
92-NM-511 | |
| ALGORITHMIC APPROACHES TO NONLINEAR INTEGER PROGRAMMING
State University of New York | Jadranka
Skorin-Kapov | N 36
29/09/92
\$148,906 | GLASSMAN
92-NM-512 | |
| RAPID SOLUTIONS TO HARD PROBLEMS USING MESSY GENETIC ALGORITHMS
Univ of Illinois | David
Goldberg | N 36
29/09/92
\$269,882 | GLASSMAN
92-NM-513 | |

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TOT AMT |
|--|--------------|-----------------------------------|---|-----------------------------------|
| DEVELOP ALGORITHMS WHICH WILL BENEFIT PARALLEL COMPUTING EFFORTS
Culham Laboratory | Eastwood | N 02
02/07/92
\$58,600 | A
92-EX-012 | \$57,416
01/07/92
\$58,600 |
| SEISMIC STUDIES OF THE CASPIAN BASIN AND SURROUNDING REGIONS
Cambridge University (Cavendish Lab) | Priestly | N 36
02/07/92
\$308,576 | 8
OWENS
92-EX-013 | \$81,413
15/09/92
\$329,436 |
| LIQUID KENON AS A POTENTIAL LASER HOST MEDIUM
Univ of Southampton | Rutt | N 12
02/07/92
\$64,885 | 8
OWENS
92-EX-014 | \$64,885
30/09/92
\$64,885 |
| FIXED STRATEGIES IN THE PURSUIT OF BLIND HIGH-MANEUVRABILITY EVAD
ERS
Technion Resh & Development Foundation | Shinar | N 36
10/07/92
\$150,000 | A
OWENS
92-EX-015 | \$50,000
30/09/92
\$150,000 |
| CONTROL OF ROTOP VIBRATIONS USING HYBRID SQUEEZE FILM DAMPERS
Cairo University | Shafel | N 36
21/07/92
\$119,996 | OWENS
92-EX-016 | \$19,998
30/09/92
\$119,996 |
| LPA - VISITING PROFESSOR UNIVERSITY OF DAYTON, OHIO
Univ of Dayton | Davidson | N 06
29/08/92
\$70,456 | MIDALGO
92-EX-017 | \$70,456
12/03/92
\$70,456 |